GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 10, 2004, 12:36:58 ; Search time 69 Seconds
(without alignments)
3.596 Million cell updates/sec

Title: US-10-023-782A-3
Perfect score: 2804
Sequence: 1 tcgcagagccgccgatgcgt.....gaaaaaaaaaaaaaaaaaa 2804

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 2234 seqs, 44242 residues

Total number of hits satisfying chosen parameters: 4468

Minimum DB seq length: 8
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 3280 summaries

Database : rni3.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	28.4	1.0	40	1	US-08-771-624B-1	Sequence 1, Appli
	2	28.4	1.0	40	1	US-08-440-209-4	Sequence 4, Appli
	3	28.4	1.0	40	1	US-08-439-996-4	Sequence 4, Appli
c	4	28.4	1.0	40	1	US-09-732-067-7	Sequence 7, Appli
	5	28	1.0	36	1	US-09-462-569B-4	Sequence 4, Appli
c	6	28	1.0	37	1	US-08-113-646A-44	Sequence 44, Appl
	7	27.4	1.0	38	1	US-09-720-201A-19	Sequence 19, Appl
	8	26.8	1.0	41	1	US-09-197-814-9	Sequence 9, Appli
	9	26.8	1.0	41	1	US-09-920-581-9	Sequence 9, Appli
	10	25.6	0.9	33	1	US-09-061-026-26	Sequence 26, Appl
	11	25.6	0.9	33	1	US-09-466-138-26	Sequence 26, Appl
	12	25.4	0.9	31	1	US-09-268-505B-13	Sequence 13, Appl
c	13	25.2	0.9	30	1	US-08-433-505-9	Sequence 9, Appli
c	14	25.2	0.9	30	1	US-08-870-730-9	Sequence 9, Appli
	15	25.2	0.9	30	1	US-09-083-123-3	Sequence 3, Appli
c	16	25.2	0.9	30	1	US-09-083-123-7	Sequence 7, Appli
c	17	25.2	0.9	30	1	US-08-882-649A-10	Sequence 10, Appl
	18	24.6	0.9	35	1	US-08-173-489C-19	Sequence 19, Appl
	19	24	0.9	34	1	US-09-522-217-27	Sequence 27, Appl
	20	24	0.9	34	1	US-09-923-246-27	Sequence 27, Appl
	21	24	0.9	34	1	US-10-295-723-27	Sequence 27, Appl
c	22	23.6	0.8	32	1	US-10-003-998A-4	Sequence 4, Appli
	23	23.4	0.8	36	1	US-09-244-794A-14	Sequence 14, Appl
	24	23.4	0.8	36	1	US-09-247-190-14	Sequence 14, Appl
	25	23.4	0.8	36	1	US-09-238-710-14	Sequence 14, Appl
c	26	23.2	0.8	29	1	US-10-003-998A-7	Sequence 7, Appli
c	27	23.2	0.8	36	1	US-09-244-794A-14	Sequence 14, Appl
c	28	23.2	0.8	36	1	US-09-247-190-14	Sequence 14, Appl
c	29	23.2	0.8	36	1	US-09-238-710-14	Sequence 14, Appl
c	30	23	0.8	24	1	US-09-164-249B-6	Sequence 6, Appli
	31	23	0.8	32	1	US-08-126-594-8	Sequence 8, Appli
	32	23	0.8	32	1	US-08-465-811A-8	Sequence 8, Appli
	33	23	0.8	32	1	US-08-619-542B-8	Sequence 8, Appli
	34	22.8	0.8	27	1	US-09-475-947A-153	Sequence 153, App
	35	22.8	0.8	35	1	US-08-435-350-118	Sequence 118, App
	36	22.6	0.8	29	1	US-08-400-275-13	Sequence 13, Appl
c	37	22.6	0.8	29	1	US-09-244-794A-8	Sequence 8, Appli
c	38	22.6	0.8	29	1	US-09-007-005-8	Sequence 8, Appli
c	39	22.6	0.8	29	1	US-09-247-190-8	Sequence 8, Appli
c	40	22.6	0.8	29	1	US-09-244-796-8	Sequence 8, Appli
c	41	22.6	0.8	29	1	US-09-238-710-8	Sequence 8, Appli
c	42	22.6	0.8	29	1	US-09-282-734-3	Sequence 3, Appli
c	43	22.6	0.8	30	1	US-09-648-040-4	Sequence 4, Appli
	44	22.4	0.8	30	1	US-08-296-793-2	Sequence 2, Appli
	45	22.4	0.8	33	1	US-09-244-794A-15	Sequence 15, Appl
	46	22.4	0.8	33	1	US-09-247-190-15	Sequence 15, Appl
	47	22.4	0.8	33	1	US-09-238-710-15	Sequence 15, Appl
	48	22.4	0.8	34	1	US-08-910-632-38	Sequence 38, Appl
	49	22.4	0.8	34	1	US-08-805-631A-38	Sequence 38, Appl
	50	22.4	0.8	34	1	US-09-569-344-38	Sequence 38, Appl
c	51	22.2	0.8	27	1	US-08-208-486-79	Sequence 79, Appl
	52	22.2	0.8	32	1	US-08-522-623-14	Sequence 14, Appl
	53	22.2	0.8	32	1	PCT-US93-03256-14	Sequence 14, Appl
c	54	22.2	0.8	33	1	5478746-1	Patent No. 5478746
	55	22	0.8	24	1	US-09-721-154-1	Sequence 1, Appli
	56	22	0.8	24	1	US-09-721-154-4	Sequence 4, Appli
	57	22	0.8	26	1	US-08-621-914A-1	Sequence 1, Appli
	58	22	0.8	26	1	US-09-522-217-38	Sequence 38, Appl
	59	22	0.8	26	1	US-09-527-345-7	Sequence 7, Appli
	60	22	0.8	26	1	US-09-923-246-38	Sequence 38, Appl
	61	22	0.8	26	1	US-10-295-723-38	Sequence 38, Appl
	62	22	0.8	30	1	US-09-725-265-9	Sequence 9, Appli
	63	21.8	0.8	27	1	US-09-325-554-18	Sequence 18, Appl
	64	21.6	0.8	29	1	US-08-910-632-6	Sequence 6, Appli
	65	21.6	0.8	29	1	US-08-805-631A-6	Sequence 6, Appli
	66	21.6	0.8	29	1	US-09-569-344-6	Sequence 6, Appli
c	67	21.6	0.8	30	1	US-08-455-627-12	Sequence 12, Appl
c	68	21.6	0.8	30	1	US-08-689-856-12	Sequence 12, Appl
c	69	21.6	0.8	30	1	US-08-787-321-12	Sequence 12, Appl
	70	21.6	0.8	30	1	US-09-725-265-10	Sequence 10, Appl
	71	21.6	0.8	30	1	US-09-725-265-11	Sequence 11, Appl
c	72	21.4	0.8	29	1	US-08-227-476-5	Sequence 5, Appli
	73	21.2	0.8	26	1	US-08-621-914A-3	Sequence 3, Appli
	74	21.2	0.8	26	1	US-09-197-951-5	Sequence 5, Appli
	75	21.2	0.8	26	1	US-09-527-345-6	Sequence 6, Appli
	76	21.2	0.8	26	1	US-09-167-513-10	Sequence 10, Appl
	77	21.2	0.8	26	1	US-09-161-939A-43	Sequence 43, Appl
	78	21.2	0.8	32	1	US-08-113-646A-5	Sequence 5, Appli
c	79	21.2	0.8	32	1	US-09-619-103-14	Sequence 14, Appl
	80	21	0.7	21	1	US-08-455-896-13	Sequence 13, Appl
	81	21	0.7	21	1	US-08-933-149-13	Sequence 13, Appl
	82	21	0.7	21	1	US-09-082-343-13	Sequence 13, Appl
c	83	21	0.7	21	1	US-08-863-639A-10	Sequence 10, Appl
	84	21	0.7	21	1	US-08-863-639A-13	Sequence 13, Appl
	85	21	0.7	21	1	US-08-416-214A-12	Sequence 12, Appl
	86	21	0.7	21	1	US-09-082-253-13	Sequence 13, Appl
	87	21	0.7	21	1	US-09-162-622-13	Sequence 13, Appl
	88	21	0.7	21	1	US-09-509-015-13	Sequence 13, Appl
	89	21	0.7	21	1	PCT-US96-08235-13	Sequence 13, Appl
c	90	21	0.7	22	1	US-08-123-449A-19	Sequence 19, Appl
c	91	21	0.7	22	1	US-08-458-050-19	Sequence 19, Appl
c	92	21	0.7	22	1	US-08-847-844A-94	Sequence 94, Appl
c	93	21	0.7	22	1	US-08-950-196-19	Sequence 19, Appl
c	94	21	0.7	22	1	US-09-720-201A-25	Sequence 25, Appl
c	95	21	0.7	24	1	US-08-014-943A-25	Sequence 25, Appl
c	96	21	0.7	24	1	US-08-486-421-50	Sequence 50, Appl
c	97	21	0.7	24	1	US-08-470-911-50	Sequence 50, Appl
c	98	21	0.7	24	1	US-08-735-381-1	Sequence 1, Appli
c	99	21	0.7	24	1	US-08-486-809-50	Sequence 50, Appl
c	100	21	0.7	24	1	US-09-183-619-7	Sequence 7, Appli
c	101	21	0.7	24	1	US-09-201-674-1	Sequence 1, Appli
c	102	21	0.7	24	1	US-09-536-936-11	Sequence 11, Appl
c	103	21	0.7	24	1	US-09-025-639-4	Sequence 4, Appli
c	104	21	0.7	24	1	US-09-333-237-4	Sequence 4, Appli
c	105	21	0.7	24	1	US-09-732-067-1	Sequence 1, Appli
	106	21	0.7	24	1	US-09-475-947A-134	Sequence 134, App

c 107	21	0.7	24	1	US-10-043-415-4	Sequence 4, Appli
c 108	21	0.7	24	1	US-09-854-317-1	Sequence 1, Appli
109	21	0.7	25	1	US-08-341-148-2	Sequence 2, Appli
110	21	0.7	25	1	US-08-460-130-2	Sequence 2, Appli
111	21	0.7	25	1	US-08-969-813-1	Sequence 1, Appli
112	21	0.7	25	1	US-09-183-619-5	Sequence 5, Appli
113	21	0.7	25	1	US-09-282-734-23	Sequence 23, Appl
114	21	0.7	25	1	PCT-US94-14096-2	Sequence 2, Appli
115	21	0.7	26	1	US-08-621-914A-2	Sequence 2, Appli
116	21	0.7	26	1	US-08-873-437-2	Sequence 2, Appli
117	21	0.7	26	1	US-09-522-217-39	Sequence 39, Appl
118	21	0.7	26	1	US-09-593-312-2	Sequence 2, Appli
119	21	0.7	26	1	US-09-923-246-39	Sequence 39, Appl
120	21	0.7	26	1	US-09-658-077-1	Sequence 1, Appli
121	21	0.7	26	1	US-10-295-723-39	Sequence 39, Appl
c 122	21	0.7	30	1	US-08-771-781-2	Sequence 2, Appli
123	21	0.7	32	1	US-10-003-998A-4	Sequence 4, Appli
124	21	0.7	32	1	US-08-627-706-7	Sequence 7, Appli
125	21	0.7	32	1	US-08-766-355-8	Sequence 8, Appli
126	21	0.7	32	1	US-09-103-489-7	Sequence 7, Appli
127	21	0.7	32	1	US-09-003-198A-8	Sequence 8, Appli
128	21	0.7	32	1	US-09-428-805-8	Sequence 8, Appli
129	21	0.7	32	1	US-09-732-210-16	Sequence 16, Appl
130	21	0.7	32	1	US-09-829-381D-7	Sequence 7, Appli
131	21	0.7	32	1	PCT-US92-10792-1	Sequence 1, Appli
c 132	20.8	0.7	24	1	US-09-721-154-1	Sequence 1, Appli
133	20.8	0.7	24	1	US-08-996-306-10	Sequence 10, Appl
c 134	20.8	0.7	24	1	US-08-996-306-10	Sequence 10, Appl
135	20.8	0.7	24	1	US-09-338-907-10	Sequence 10, Appl
c 136	20.8	0.7	24	1	US-09-338-907-10	Sequence 10, Appl
137	20.8	0.7	24	1	US-09-218-207-10	Sequence 10, Appl
c 138	20.8	0.7	24	1	US-09-218-207-10	Sequence 10, Appl
c 139	20.8	0.7	27	1	US-09-475-947A-153	Sequence 153, App
c 140	20.8	0.7	27	1	US-09-325-554-18	Sequence 18, Appl
c 141	20.8	0.7	32	1	US-09-603-830-51	Sequence 51, Appl
c 142	20.8	0.7	32	1	US-09-976-978A-51	Sequence 51, Appl
c 143	20.8	0.7	32	1	US-09-961-949A-51	Sequence 51, Appl
c 144	20.8	0.7	32	1	US-09-966-491A-51	Sequence 51, Appl
145	20.8	0.7	32	1	US-09-750-401-10	Sequence 10, Appl
c 146	20.8	0.7	32	1	US-09-957-313A-51	Sequence 51, Appl
c 147	20.8	0.7	32	1	US-09-966-312-51	Sequence 51, Appl
c 148	20.8	0.7	32	1	US-09-975-062A-51	Sequence 51, Appl
c 149	20.8	0.7	32	1	US-09-976-971A-51	Sequence 51, Appl
150	20.6	0.7	33	1	5478746-1	Patent No. 5478746
151	20.4	0.7	24	1	US-09-164-249B-6	Sequence 6, Appli
152	20.4	0.7	24	1	US-09-721-154-6	Sequence 6, Appli
153	20.4	0.7	30	1	US-08-771-781-2	Sequence 2, Appli
154	20.4	0.7	30	1	US-09-725-265-4	Sequence 4, Appli
c 155	20.2	0.7	25	1	US-08-113-646A-42	Sequence 42, Appl
c 156	20.2	0.7	26	1	US-08-621-914A-2	Sequence 2, Appli
c 157	20.2	0.7	26	1	US-08-873-437-2	Sequence 2, Appli
c 158	20.2	0.7	26	1	US-09-522-217-39	Sequence 39, Appl
c 159	20.2	0.7	26	1	US-09-593-312-2	Sequence 2, Appli
c 160	20.2	0.7	26	1	US-09-923-246-39	Sequence 39, Appl
c 161	20.2	0.7	26	1	US-09-658-077-1	Sequence 1, Appli
c 162	20.2	0.7	26	1	US-10-295-723-39	Sequence 39, Appl
163	20.2	0.7	26	1	US-09-475-316A-59	Sequence 59, Appl
164	20.2	0.7	26	1	US-09-704-640-59	Sequence 59, Appl
165	20.2	0.7	30	1	US-08-181-271A-85	Sequence 85, Appl
166	20.2	0.7	30	1	US-08-449-315-85	Sequence 85, Appl
167	20.2	0.7	30	1	US-08-444-803-85	Sequence 85, Appl
168	20.2	0.7	30	1	US-08-449-043-85	Sequence 85, Appl
169	20.2	0.7	30	1	US-08-456-265A-85	Sequence 85, Appl
170	20.2	0.7	30	1	US-08-455-416-85	Sequence 85, Appl
171	20.2	0.7	30	1	US-08-455-244-85	Sequence 85, Appl
172	20.2	0.7	30	1	US-08-454-876-85	Sequence 85, Appl
173	20.2	0.7	30	1	US-08-457-364-85	Sequence 85, Appl
174	20.2	0.7	30	1	US-08-456-262-85	Sequence 85, Appl
175	20.2	0.7	30	1	US-08-456-240-85	Sequence 85, Appl
176	20.2	0.7	30	1	US-08-455-736-85	Sequence 85, Appl
177	20.2	0.7	30	1	US-08-971-217-85	Sequence 85, Appl
178	20.2	0.7	30	1	US-09-350-600-85	Sequence 85, Appl
179	20.2	0.7	30	1	US-09-011-143-23	Sequence 23, Appl
180	20.2	0.7	30	1	US-09-302-495-23	Sequence 23, Appl
181	20.2	0.7	30	1	US-10-079-616-23	Sequence 23, Appl
182	20.2	0.7	30	1	US-09-906-234-85	Sequence 85, Appl
183	20.2	0.7	32	1	US-09-619-103-14	Sequence 14, Appl
c 184	20.2	0.7	33	1	US-09-244-794A-15	Sequence 15, Appl
c 185	20.2	0.7	33	1	US-09-247-190-15	Sequence 15, Appl
c 186	20.2	0.7	33	1	US-09-238-710-15	Sequence 15, Appl
187	20	0.7	20	1	US-08-146-504-16	Sequence 16, Appl
188	20	0.7	20	1	US-08-379-593-5	Sequence 5, Appli
189	20	0.7	20	1	US-08-725-976-16	Sequence 16, Appl
c 190	20	0.7	20	1	US-08-997-080-83	Sequence 83, Appl
c 191	20	0.7	20	1	US-08-997-362-83	Sequence 83, Appl
192	20	0.7	20	1	US-08-965-780-1	Sequence 1, Appli
c 193	20	0.7	20	1	US-08-873-970-83	Sequence 83, Appl
194	20	0.7	20	1	US-08-765-340-96	Sequence 96, Appl
c 195	20	0.7	20	1	US-09-095-855-83	Sequence 83, Appl
c 196	20	0.7	20	1	US-09-407-675-1	Sequence 1, Appli
197	20	0.7	20	1	US-09-250-075-1	Sequence 1, Appli
198	20	0.7	20	1	US-09-173-936B-14	Sequence 14, Appl
c 199	20	0.7	20	1	US-09-454-704A-13	Sequence 13, Appl
c 200	20	0.7	20	1	US-09-324-542-83	Sequence 83, Appl
c 201	20	0.7	20	1	US-09-205-426-83	Sequence 83, Appl
c 202	20	0.7	20	1	US-09-619-103-26	Sequence 26, Appl
203	20	0.7	20	1	US-09-726-096A-1	Sequence 1, Appli
c 204	20	0.7	20	1	US-09-603-830-55	Sequence 55, Appl
c 205	20	0.7	20	1	US-09-976-978A-55	Sequence 55, Appl
206	20	0.7	20	1	US-09-344-260A-10	Sequence 10, Appl
c 207	20	0.7	20	1	US-09-961-949A-55	Sequence 55, Appl
c 208	20	0.7	20	1	US-09-966-491A-55	Sequence 55, Appl
c 209	20	0.7	20	1	US-09-957-313A-55	Sequence 55, Appl
c 210	20	0.7	20	1	US-09-966-312-55	Sequence 55, Appl
c 211	20	0.7	20	1	US-09-975-062A-55	Sequence 55, Appl
c 212	20	0.7	20	1	US-09-976-971A-55	Sequence 55, Appl
c 213	20	0.7	20	1	PCT-US93-07603-6	Sequence 6, Appli
c 214	20	0.7	21	1	US-08-146-504-2	Sequence 2, Appli
c 215	20	0.7	21	1	US-08-725-976-2	Sequence 2, Appli
c 216	20	0.7	21	1	US-08-271-882B-2	Sequence 2, Appli
c 217	20	0.7	21	1	US-08-726-278-2	Sequence 2, Appli
c 218	20	0.7	24	1	US-09-475-947A-134	Sequence 134, App
219	20	0.7	27	1	US-08-821-451A-16	Sequence 16, Appl
220	20	0.7	27	1	US-09-263-810-16	Sequence 16, Appl
221	20	0.7	27	1	US-09-583-169-16	Sequence 16, Appl
222	20	0.7	30	1	US-09-725-265-5	Sequence 5, Appli
223	20	0.7	30	1	US-09-725-265-6	Sequence 6, Appli
224	20	0.7	30	1	US-09-725-265-7	Sequence 7, Appli
225	20	0.7	30	1	US-09-725-265-8	Sequence 8, Appli
226	20	0.7	30	1	US-09-725-265-12	Sequence 12, Appl
227	20	0.7	30	1	US-09-725-265-13	Sequence 13, Appl
c 228	19.8	0.7	24	1	US-09-721-154-7	Sequence 7, Appli
c 229	19.8	0.7	31	1	US-09-268-505B-13	Sequence 13, Appl
c 230	19.6	0.7	26	1	US-08-621-914A-1	Sequence 1, Appli
c 231	19.6	0.7	26	1	US-09-522-217-38	Sequence 38, Appl
c 232	19.6	0.7	26	1	US-09-527-345-7	Sequence 7, Appli
c 233	19.6	0.7	26	1	US-09-923-246-38	Sequence 38, Appl
c 234	19.6	0.7	26	1	US-10-295-723-38	Sequence 38, Appl
c 235	19.6	0.7	26	1	US-09-197-951-5	Sequence 5, Appli
236	19.6	0.7	26	1	US-08-014-943A-21	Sequence 21, Appl
237	19.6	0.7	26	1	US-08-486-421-15	Sequence 15, Appl
238	19.6	0.7	26	1	US-08-470-911-15	Sequence 15, Appl
239	19.6	0.7	26	1	US-08-486-809-15	Sequence 15, Appl
c 240	19.6	0.7	26	1	US-08-910-632-5	Sequence 5, Appli
c 241	19.6	0.7	26	1	US-08-805-631A-5	Sequence 5, Appli
c 242	19.6	0.7	26	1	US-09-569-344-5	Sequence 5, Appli
243	19.6	0.7	27	1	US-08-208-486-79	Sequence 79, Appl
244	19.6	0.7	29	1	US-09-244-794A-8	Sequence 8, Appli
245	19.6	0.7	29	1	US-09-007-005-8	Sequence 8, Appli
246	19.6	0.7	29	1	US-09-247-190-8	Sequence 8, Appli
247	19.6	0.7	29	1	US-09-244-796-8	Sequence 8, Appli
248	19.6	0.7	29	1	US-09-238-710-8	Sequence 8, Appli
249	19.6	0.7	29	1	US-09-282-734-3	Sequence 3, Appli
250	19.6	0.7	30	1	US-08-433-505-9	Sequence 9, Appli
251	19.6	0.7	30	1	US-08-870-730-9	Sequence 9, Appli
c 252	19.6	0.7	30	1	US-09-083-123-3	Sequence 3, Appli

	253	19.6	0.7	30	1	US-09-083-123-7	Sequence 7, Appli
	254	19.6	0.7	30	1	US-08-882-649A-10	Sequence 10, Appl
	255	19.6	0.7	30	1	US-08-455-627-12	Sequence 12, Appl
	256	19.6	0.7	30	1	US-08-689-856-12	Sequence 12, Appl
	257	19.6	0.7	30	1	US-08-787-321-12	Sequence 12, Appl
c	258	19.6	0.7	30	1	US-08-181-271A-85	Sequence 85, Appl
c	259	19.6	0.7	30	1	US-08-449-315-85	Sequence 85, Appl
c	260	19.6	0.7	30	1	US-08-444-803-85	Sequence 85, Appl
c	261	19.6	0.7	30	1	US-08-449-043-85	Sequence 85, Appl
c	262	19.6	0.7	30	1	US-08-456-265A-85	Sequence 85, Appl
c	263	19.6	0.7	30	1	US-08-455-416-85	Sequence 85, Appl
c	264	19.6	0.7	30	1	US-08-455-244-85	Sequence 85, Appl
c	265	19.6	0.7	30	1	US-08-454-876-85	Sequence 85, Appl
c	266	19.6	0.7	30	1	US-08-457-364-85	Sequence 85, Appl
c	267	19.6	0.7	30	1	US-08-456-262-85	Sequence 85, Appl
c	268	19.6	0.7	30	1	US-08-456-240-85	Sequence 85, Appl
c	269	19.6	0.7	30	1	US-08-455-736-85	Sequence 85, Appl
c	270	19.6	0.7	30	1	US-08-971-217-85	Sequence 85, Appl
c	271	19.6	0.7	30	1	US-09-350-600-85	Sequence 85, Appl
c	272	19.6	0.7	30	1	US-09-906-234-85	Sequence 85, Appl
	273	19.6	0.7	30	1	US-08-629-001A-44	Sequence 44, Appl
	274	19.6	0.7	30	1	US-08-642-274D-123	Sequence 123, App
c	275	19.6	0.7	32	1	US-08-113-646A-5	Sequence 5, Appli
c	276	19.6	0.7	33	1	US-09-061-026-26	Sequence 26, Appl
c	277	19.6	0.7	33	1	US-09-466-138-26	Sequence 26, Appl
c	278	19.6	0.7	36	1	US-09-462-569B-4	Sequence 4, Appli
	279	19.6	0.7	37	1	US-08-113-646A-44	Sequence 44, Appl
c	280	19.6	0.7	38	1	US-09-720-201A-19	Sequence 19, Appl
c	281	19.6	0.7	40	1	US-08-771-624B-1	Sequence 1, Appli
c	282	19.6	0.7	40	1	US-08-440-209-4	Sequence 4, Appli
c	283	19.6	0.7	40	1	US-08-439-996-4	Sequence 4, Appli
	284	19.6	0.7	40	1	US-09-732-067-7	Sequence 7, Appli
c	285	19.6	0.7	41	1	US-09-197-814-9	Sequence 9, Appli
c	286	19.6	0.7	41	1	US-09-920-581-9	Sequence 9, Appli
	287	19.4	0.7	21	1	US-09-475-947A-119	Sequence 119, App
	288	19.4	0.7	24	1	US-09-721-154-2	Sequence 2, Appli
c	289	19.4	0.7	26	1	US-09-527-345-6	Sequence 6, Appli
c	290	19.4	0.7	26	1	US-09-167-513-10	Sequence 10, Appl
c	291	19.4	0.7	26	1	US-09-161-939A-43	Sequence 43, Appl
	292	19.4	0.7	26	1	US-08-117-361C-3	Sequence 3, Appli
	293	19.4	0.7	28	1	US-08-805-814-9	Sequence 9, Appli
	294	19.4	0.7	28	1	US-08-484-815-9	Sequence 9, Appli
	295	19.4	0.7	28	1	US-08-858-767-13	Sequence 13, Appl
	296	19.4	0.7	28	1	US-08-858-767-14	Sequence 14, Appl
	297	19.4	0.7	28	1	US-08-858-767-15	Sequence 15, Appl
	298	19.4	0.7	28	1	US-08-863-028-13	Sequence 13, Appl
	299	19.4	0.7	28	1	US-08-863-028-14	Sequence 14, Appl
	300	19.4	0.7	28	1	US-08-863-028-15	Sequence 15, Appl
	301	19.4	0.7	28	1	US-08-888-949-9	Sequence 9, Appli
	302	19.4	0.7	28	1	US-08-888-950-9	Sequence 9, Appli
	303	19.4	0.7	28	1	US-09-262-758-9	Sequence 9, Appli
	304	19.4	0.7	28	1	US-08-821-827C-19	Sequence 19, Appl
	305	19.4	0.7	28	1	US-09-290-202B-19	Sequence 19, Appl
	306	19.4	0.7	28	1	US-09-885-876-9	Sequence 9, Appli
	307	19.4	0.7	28	1	US-09-885-901-9	Sequence 9, Appli
	308	19.4	0.7	28	1	US-09-731-393-9	Sequence 9, Appli
	309	19.4	0.7	28	1	PCT-US95-10284-9	Sequence 9, Appli
	310	19.4	0.7	29	1	US-08-090-369-8	Sequence 8, Appli
	311	19.4	0.7	29	1	US-09-482-971-8	Sequence 8, Appli
	312	19.4	0.7	29	1	US-09-750-401-18	Sequence 18, Appl
	313	19.2	0.7	24	1	US-08-014-943A-25	Sequence 25, Appl
	314	19.2	0.7	24	1	US-08-486-421-50	Sequence 50, Appl
	315	19.2	0.7	24	1	US-08-470-911-50	Sequence 50, Appl
	316	19.2	0.7	24	1	US-08-735-381-1	Sequence 1, Appli
	317	19.2	0.7	24	1	US-08-486-809-50	Sequence 50, Appl
	318	19.2	0.7	24	1	US-09-183-619-7	Sequence 7, Appli
	319	19.2	0.7	24	1	US-09-201-674-1	Sequence 1, Appli
	320	19.2	0.7	24	1	US-09-536-936-11	Sequence 11, Appl
	321	19.2	0.7	24	1	US-09-025-639-4	Sequence 4, Appli
	322	19.2	0.7	24	1	US-09-333-237-4	Sequence 4, Appli
	323	19.2	0.7	24	1	US-09-732-067-1	Sequence 1, Appli
	324	19.2	0.7	24	1	US-10-043-415-4	Sequence 4, Appli
	325	19.2	0.7	24	1	US-09-854-317-1	Sequence 1, Appli
	326	19.2	0.7	24	1	US-08-906-156A-82	Sequence 82, Appl
c	327	19.2	0.7	25	1	US-08-341-148-2	Sequence 2, Appli
c	328	19.2	0.7	25	1	US-08-460-130-2	Sequence 2, Appli
c	329	19.2	0.7	25	1	US-08-969-813-1	Sequence 1, Appli
c	330	19.2	0.7	25	1	US-09-183-619-5	Sequence 5, Appli
c	331	19.2	0.7	25	1	US-09-282-734-23	Sequence 23, Appl
c	332	19.2	0.7	25	1	PCT-US94-14096-2	Sequence 2, Appli
	333	19.2	0.7	25	1	US-08-113-646A-42	Sequence 42, Appl
c	334	19.2	0.7	26	1	US-08-621-914A-3	Sequence 3, Appli
	335	19.2	0.7	29	1	US-10-003-998A-7	Sequence 7, Appli
	336	19.2	0.7	30	1	US-09-648-040-4	Sequence 4, Appli
c	337	19.2	0.7	32	1	PCT-US92-10792-1	Sequence 1, Appli
	338	19	0.7	19	1	US-08-756-728A-1	Sequence 1, Appli
c	339	19	0.7	19	1	US-08-756-728A-1	Sequence 1, Appli
	340	19	0.7	19	1	US-08-469-852A-2	Sequence 2, Appli
c	341	19	0.7	19	1	US-08-469-852A-2	Sequence 2, Appli
	342	19	0.7	19	1	US-08-271-882B-16	Sequence 16, Appl
c	343	19	0.7	19	1	US-08-271-882B-16	Sequence 16, Appl
	344	19	0.7	19	1	US-08-295-509B-2	Sequence 2, Appli
c	345	19	0.7	19	1	US-08-295-509B-2	Sequence 2, Appli
	346	19	0.7	19	1	US-09-234-237-1	Sequence 1, Appli
c	347	19	0.7	19	1	US-09-234-237-1	Sequence 1, Appli
	348	19	0.7	19	1	US-09-016-520-20	Sequence 20, Appl
c	349	19	0.7	19	1	US-09-016-520-20	Sequence 20, Appl
	350	19	0.7	19	1	US-09-016-520-21	Sequence 21, Appl
c	351	19	0.7	19	1	US-09-016-520-21	Sequence 21, Appl
	352	19	0.7	19	1	US-09-016-520-22	Sequence 22, Appl
c	353	19	0.7	19	1	US-09-016-520-22	Sequence 22, Appl
	354	19	0.7	19	1	US-09-016-520-23	Sequence 23, Appl
c	355	19	0.7	19	1	US-09-016-520-23	Sequence 23, Appl
	356	19	0.7	19	1	US-09-016-520-24	Sequence 24, Appl
c	357	19	0.7	19	1	US-09-016-520-24	Sequence 24, Appl
	358	19	0.7	19	1	US-09-016-520-25	Sequence 25, Appl
c	359	19	0.7	19	1	US-09-016-520-25	Sequence 25, Appl
	360	19	0.7	19	1	US-09-016-520-26	Sequence 26, Appl
c	361	19	0.7	19	1	US-09-016-520-26	Sequence 26, Appl
	362	19	0.7	19	1	US-09-016-520-27	Sequence 27, Appl
c	363	19	0.7	19	1	US-09-016-520-27	Sequence 27, Appl
	364	19	0.7	19	1	US-09-016-520-31	Sequence 31, Appl
c	365	19	0.7	19	1	US-09-016-520-31	Sequence 31, Appl
	366	19	0.7	19	1	US-09-016-520-33	Sequence 33, Appl
c	367	19	0.7	19	1	US-09-016-520-33	Sequence 33, Appl
	368	19	0.7	19	1	US-09-016-520-34	Sequence 34, Appl
c	369	19	0.7	19	1	US-09-016-520-34	Sequence 34, Appl
	370	19	0.7	19	1	US-09-016-520-44	Sequence 44, Appl
c	371	19	0.7	19	1	US-09-016-520-44	Sequence 44, Appl
	372	19	0.7	19	1	US-09-378-568-4	Sequence 4, Appli
c	373	19	0.7	19	1	US-09-378-568-4	Sequence 4, Appli
	374	19	0.7	19	1	US-09-130-973-20	Sequence 20, Appl
c	375	19	0.7	19	1	US-09-130-973-20	Sequence 20, Appl
	376	19	0.7	19	1	US-09-130-973-21	Sequence 21, Appl
c	377	19	0.7	19	1	US-09-130-973-21	Sequence 21, Appl
	378	19	0.7	19	1	US-09-130-973-22	Sequence 22, Appl
c	379	19	0.7	19	1	US-09-130-973-22	Sequence 22, Appl
	380	19	0.7	19	1	US-09-130-973-23	Sequence 23, Appl
c	381	19	0.7	19	1	US-09-130-973-23	Sequence 23, Appl
	382	19	0.7	19	1	US-09-130-973-24	Sequence 24, Appl
c	383	19	0.7	19	1	US-09-130-973-24	Sequence 24, Appl
	384	19	0.7	19	1	US-09-130-973-25	Sequence 25, Appl
c	385	19	0.7	19	1	US-09-130-973-25	Sequence 25, Appl
	386	19	0.7	19	1	US-09-130-973-26	Sequence 26, Appl
c	387	19	0.7	19	1	US-09-130-973-26	Sequence 26, Appl
	388	19	0.7	19	1	US-09-130-973-27	Sequence 27, Appl
c	389	19	0.7	19	1	US-09-130-973-27	Sequence 27, Appl
	390	19	0.7	19	1	US-09-130-973-31	Sequence 31, Appl
c	391	19	0.7	19	1	US-09-130-973-31	Sequence 31, Appl
	392	19	0.7	19	1	US-09-130-973-33	Sequence 33, Appl
c	393	19	0.7	19	1	US-09-130-973-33	Sequence 33, Appl
	394	19	0.7	19	1	US-09-130-973-34	Sequence 34, Appl
c	395	19	0.7	19	1	US-09-130-973-34	Sequence 34, Appl
	396	19	0.7	19	1	US-09-130-973-44	Sequence 44, Appl
c	397	19	0.7	19	1	US-09-130-973-44	Sequence 44, Appl
	398	19	0.7	19	1	US-09-477-902-20	Sequence 20, Appl

c 399	19	0.7	19	1	US-09-477-902-20	Sequence 20, Appl
400	19	0.7	19	1	US-09-477-902-21	Sequence 21, Appl
c 401	19	0.7	19	1	US-09-477-902-21	Sequence 21, Appl
402	19	0.7	19	1	US-09-477-902-22	Sequence 22, Appl
c 403	19	0.7	19	1	US-09-477-902-22	Sequence 22, Appl
404	19	0.7	19	1	US-09-477-902-23	Sequence 23, Appl
c 405	19	0.7	19	1	US-09-477-902-23	Sequence 23, Appl
406	19	0.7	19	1	US-09-477-902-24	Sequence 24, Appl
c 407	19	0.7	19	1	US-09-477-902-24	Sequence 24, Appl
408	19	0.7	19	1	US-09-477-902-25	Sequence 25, Appl
c 409	19	0.7	19	1	US-09-477-902-25	Sequence 25, Appl
410	19	0.7	19	1	US-09-477-902-26	Sequence 26, Appl
c 411	19	0.7	19	1	US-09-477-902-26	Sequence 26, Appl
412	19	0.7	19	1	US-09-477-902-27	Sequence 27, Appl
c 413	19	0.7	19	1	US-09-477-902-27	Sequence 27, Appl
414	19	0.7	19	1	US-09-477-902-31	Sequence 31, Appl
c 415	19	0.7	19	1	US-09-477-902-31	Sequence 31, Appl
416	19	0.7	19	1	US-09-477-902-33	Sequence 33, Appl
c 417	19	0.7	19	1	US-09-477-902-33	Sequence 33, Appl
418	19	0.7	19	1	US-09-477-902-34	Sequence 34, Appl
c 419	19	0.7	19	1	US-09-477-902-34	Sequence 34, Appl
420	19	0.7	19	1	US-09-477-902-44	Sequence 44, Appl
c 421	19	0.7	19	1	US-09-477-902-44	Sequence 44, Appl
422	19	0.7	19	1	US-08-726-278-16	Sequence 16, Appl
c 423	19	0.7	19	1	US-08-726-278-16	Sequence 16, Appl
424	19	0.7	19	1	US-09-338-907-515	Sequence 515, App
c 425	19	0.7	19	1	US-09-338-907-515	Sequence 515, App
426	19	0.7	19	1	US-09-123-108-6	Sequence 6, Appli
c 427	19	0.7	19	1	US-09-123-108-6	Sequence 6, Appli
428	19	0.7	19	1	US-09-378-665A-5	Sequence 5, Appli
c 429	19	0.7	19	1	US-09-378-665A-5	Sequence 5, Appli
430	19	0.7	19	1	US-09-202-294-4	Sequence 4, Appli
c 431	19	0.7	19	1	US-09-202-294-4	Sequence 4, Appli
432	19	0.7	19	1	US-09-218-207-515	Sequence 515, App
c 433	19	0.7	19	1	US-09-218-207-515	Sequence 515, App
434	19	0.7	19	1	US-09-303-586-15	Sequence 15, Appl
c 435	19	0.7	19	1	US-09-303-586-15	Sequence 15, Appl
436	19	0.7	19	1	US-09-303-586-16	Sequence 16, Appl
c 437	19	0.7	19	1	US-09-303-586-16	Sequence 16, Appl
438	19	0.7	19	1	US-09-303-586-17	Sequence 17, Appl
c 439	19	0.7	19	1	US-09-303-586-17	Sequence 17, Appl
440	19	0.7	19	1	US-09-303-586-18	Sequence 18, Appl
c 441	19	0.7	19	1	US-09-303-586-18	Sequence 18, Appl
442	19	0.7	19	1	US-09-303-586-26	Sequence 26, Appl
c 443	19	0.7	19	1	US-09-303-586-26	Sequence 26, Appl
444	19	0.7	19	1	US-09-227-782-1	Sequence 1, Appli
c 445	19	0.7	19	1	US-09-227-782-1	Sequence 1, Appli
446	19	0.7	19	1	US-09-227-782-2	Sequence 2, Appli
c 447	19	0.7	19	1	US-09-227-782-2	Sequence 2, Appli
448	19	0.7	19	1	US-09-227-782-3	Sequence 3, Appli
c 449	19	0.7	19	1	US-09-227-782-3	Sequence 3, Appli
450	19	0.7	19	1	US-09-227-782-4	Sequence 4, Appli
c 451	19	0.7	19	1	US-09-227-782-4	Sequence 4, Appli
452	19	0.7	19	1	US-09-227-782-5	Sequence 5, Appli
c 453	19	0.7	19	1	US-09-227-782-5	Sequence 5, Appli
454	19	0.7	19	1	US-09-227-782-6	Sequence 6, Appli
c 455	19	0.7	19	1	US-09-227-782-6	Sequence 6, Appli
456	19	0.7	19	1	US-09-227-782-7	Sequence 7, Appli
c 457	19	0.7	19	1	US-09-227-782-7	Sequence 7, Appli
458	19	0.7	19	1	US-09-227-782-8	Sequence 8, Appli
c 459	19	0.7	19	1	US-09-227-782-8	Sequence 8, Appli
460	19	0.7	19	1	US-09-227-782-12	Sequence 12, Appl
c 461	19	0.7	19	1	US-09-227-782-12	Sequence 12, Appl
462	19	0.7	19	1	US-09-227-782-14	Sequence 14, Appl
c 463	19	0.7	19	1	US-09-227-782-14	Sequence 14, Appl
464	19	0.7	19	1	US-09-227-782-15	Sequence 15, Appl
c 465	19	0.7	19	1	US-09-227-782-15	Sequence 15, Appl
466	19	0.7	19	1	US-09-227-782-25	Sequence 25, Appl
c 467	19	0.7	19	1	US-09-227-782-25	Sequence 25, Appl
468	19	0.7	19	1	US-09-619-103-25	Sequence 25, Appl
c 469	19	0.7	19	1	US-09-619-103-25	Sequence 25, Appl
470	19	0.7	19	1	US-09-288-679-1	Sequence 1, Appli
c 471	19	0.7	19	1	US-09-288-679-1	Sequence 1, Appli
472	19	0.7	19	1	US-09-612-531-3	Sequence 3, Appli
c 473	19	0.7	19	1	US-09-612-531-3	Sequence 3, Appli
474	19	0.7	19	1	US-09-612-531-7	Sequence 7, Appli
c 475	19	0.7	19	1	US-09-612-531-7	Sequence 7, Appli
476	19	0.7	19	1	US-09-612-531-13	Sequence 13, Appl
c 477	19	0.7	19	1	US-09-612-531-13	Sequence 13, Appl
478	19	0.7	19	1	US-10-121-135-5	Sequence 5, Appli
c 479	19	0.7	19	1	US-10-121-135-5	Sequence 5, Appli
480	19	0.7	19	1	US-10-121-135-5	Sequence 5, Appli
c 481	19	0.7	19	1	US-10-121-135-5	Sequence 5, Appli
482	19	0.7	19	1	US-10-121-135-26	Sequence 26, Appl
c 483	19	0.7	19	1	US-10-121-135-26	Sequence 26, Appl
484	19	0.7	19	1	US-09-142-212A-10	Sequence 10, Appl
c 485	19	0.7	19	1	US-09-142-212A-10	Sequence 10, Appl
486	19	0.7	19	1	US-09-349-040A-3	Sequence 3, Appli
c 487	19	0.7	19	1	US-09-349-040A-3	Sequence 3, Appli
488	19	0.7	19	1	US-09-349-040A-4	Sequence 4, Appli
c 489	19	0.7	19	1	US-09-349-040A-4	Sequence 4, Appli
490	19	0.7	19	1	US-09-349-040A-5	Sequence 5, Appli
c 491	19	0.7	19	1	US-09-349-040A-5	Sequence 5, Appli
492	19	0.7	19	1	US-09-409-926-17	Sequence 17, Appl
c 493	19	0.7	19	1	US-09-409-926-17	Sequence 17, Appl
494	19	0.7	19	1	US-09-409-926-18	Sequence 18, Appl
c 495	19	0.7	19	1	US-09-409-926-18	Sequence 18, Appl
496	19	0.7	19	1	US-10-123-597-1	Sequence 1, Appli
c 497	19	0.7	19	1	US-10-123-597-1	Sequence 1, Appli
498	19	0.7	19	1	US-10-123-597-2	Sequence 2, Appli
c 499	19	0.7	19	1	US-10-123-597-2	Sequence 2, Appli
500	19	0.7	19	1	US-10-123-597-3	Sequence 3, Appli
c 501	19	0.7	19	1	US-10-123-597-3	Sequence 3, Appli
502	19	0.7	19	1	US-10-123-597-4	Sequence 4, Appli
c 503	19	0.7	19	1	US-10-123-597-4	Sequence 4, Appli
504	19	0.7	19	1	US-10-123-597-5	Sequence 5, Appli
c 505	19	0.7	19	1	US-10-123-597-5	Sequence 5, Appli
506	19	0.7	19	1	US-10-123-597-6	Sequence 6, Appli
c 507	19	0.7	19	1	US-10-123-597-6	Sequence 6, Appli
508	19	0.7	19	1	US-10-123-597-7	Sequence 7, Appli
c 509	19	0.7	19	1	US-10-123-597-7	Sequence 7, Appli
510	19	0.7	19	1	US-10-123-597-8	Sequence 8, Appli
c 511	19	0.7	19	1	US-10-123-597-8	Sequence 8, Appli
512	19	0.7	19	1	US-10-123-597-12	Sequence 12, Appl
c 513	19	0.7	19	1	US-10-123-597-12	Sequence 12, Appl
514	19	0.7	19	1	US-10-123-597-14	Sequence 14, Appl
c 515	19	0.7	19	1	US-10-123-597-14	Sequence 14, Appl
516	19	0.7	19	1	US-10-123-597-15	Sequence 15, Appl
c 517	19	0.7	19	1	US-10-123-597-15	Sequence 15, Appl
518	19	0.7	19	1	US-10-123-597-25	Sequence 25, Appl
c 519	19	0.7	19	1	US-10-123-597-25	Sequence 25, Appl
520	19	0.7	19	1	US-09-349-033A-1	Sequence 1, Appli
c 521	19	0.7	19	1	US-09-349-033A-1	Sequence 1, Appli
522	19	0.7	19	1	US-09-435-806-6	Sequence 6, Appli
c 523	19	0.7	19	1	US-09-435-806-6	Sequence 6, Appli
c 524	19	0.7	20	1	US-08-146-504-16	Sequence 16, Appl
c 525	19	0.7	20	1	US-08-379-593-5	Sequence 5, Appli
c 526	19	0.7	20	1	US-08-725-976-16	Sequence 16, Appl
527	19	0.7	20	1	US-08-997-080-83	Sequence 83, Appl
528	19	0.7	20	1	US-08-997-362-83	Sequence 83, Appl
c 529	19	0.7	20	1	US-08-965-780-1	Sequence 1, Appli
530	19	0.7	20	1	US-08-873-970-83	Sequence 83, Appl
c 531	19	0.7	20	1	US-08-765-340-96	Sequence 96, Appl
532	19	0.7	20	1	US-09-095-855-83	Sequence 83, Appl
533	19	0.7	20	1	US-09-407-675-1	Sequence 1, Appli
c 534	19	0.7	20	1	US-09-250-075-1	Sequence 1, Appli
c 535	19	0.7	20	1	US-09-173-936B-14	Sequence 14, Appl
536	19	0.7	20	1	US-09-454-704A-13	Sequence 13, Appl
537	19	0.7	20	1	US-09-324-542-83	Sequence 83, Appl
538	19	0.7	20	1	US-09-205-426-83	Sequence 83, Appl
539	19	0.7	20	1	US-09-619-103-26	Sequence 26, Appl
c 540	19	0.7	20	1	US-09-726-096A-1	Sequence 1, Appli
541	19	0.7	20	1	US-09-603-830-55	Sequence 55, Appl
542	19	0.7	20	1	US-09-976-978A-55	Sequence 55, Appl
c 543	19	0.7	20	1	US-09-344-260A-10	Sequence 10, Appl
544	19	0.7	20	1	US-09-961-949A-55	Sequence 55, Appl

	545	19	0.7	20	1	US-09-966-491A-55	Sequence 55, Appl
	546	19	0.7	20	1	US-09-957-313A-55	Sequence 55, Appl
	547	19	0.7	20	1	US-09-966-312-55	Sequence 55, Appl
	548	19	0.7	20	1	US-09-975-062A-55	Sequence 55, Appl
	549	19	0.7	20	1	US-09-976-971A-55	Sequence 55, Appl
	550	19	0.7	20	1	PCT-US93-07603-6	Sequence 6, Appli
	551	19	0.7	20	1	US-08-482-918-33	Sequence 33, Appl
c	552	19	0.7	20	1	US-08-482-918-34	Sequence 34, Appl
	553	19	0.7	20	1	US-09-224-681-33	Sequence 33, Appl
c	554	19	0.7	20	1	US-09-224-681-34	Sequence 34, Appl
	555	19	0.7	20	1	US-08-336-728A-33	Sequence 33, Appl
c	556	19	0.7	20	1	US-08-336-728A-34	Sequence 34, Appl
c	557	19	0.7	21	1	US-08-455-896-13	Sequence 13, Appl
c	558	19	0.7	21	1	US-08-933-149-13	Sequence 13, Appl
c	559	19	0.7	21	1	US-09-082-343-13	Sequence 13, Appl
	560	19	0.7	21	1	US-08-863-639A-10	Sequence 10, Appl
c	561	19	0.7	21	1	US-08-863-639A-13	Sequence 13, Appl
c	562	19	0.7	21	1	US-08-416-214A-12	Sequence 12, Appl
c	563	19	0.7	21	1	US-09-082-253-13	Sequence 13, Appl
c	564	19	0.7	21	1	US-09-162-622-13	Sequence 13, Appl
c	565	19	0.7	21	1	US-09-509-015-13	Sequence 13, Appl
c	566	19	0.7	21	1	PCT-US96-08235-13	Sequence 13, Appl
	567	19	0.7	21	1	US-08-146-504-2	Sequence 2, Appli
	568	19	0.7	21	1	US-08-725-976-2	Sequence 2, Appli
	569	19	0.7	21	1	US-08-271-882B-2	Sequence 2, Appli
	570	19	0.7	21	1	US-08-726-278-2	Sequence 2, Appli
	571	19	0.7	21	1	US-08-359-295C-23	Sequence 23, Appl
c	572	19	0.7	21	1	US-08-359-295C-23	Sequence 23, Appl
	573	19	0.7	21	1	US-08-485-105A-23	Sequence 23, Appl
c	574	19	0.7	21	1	US-08-485-105A-23	Sequence 23, Appl
	575	19	0.7	21	1	US-09-183-650-23	Sequence 23, Appl
c	576	19	0.7	21	1	US-09-183-650-23	Sequence 23, Appl
	577	19	0.7	22	1	US-08-123-449A-19	Sequence 19, Appl
	578	19	0.7	22	1	US-08-458-050-19	Sequence 19, Appl
	579	19	0.7	22	1	US-08-847-844A-94	Sequence 94, Appl
	580	19	0.7	22	1	US-08-950-196-19	Sequence 19, Appl
	581	19	0.7	22	1	US-09-720-201A-25	Sequence 25, Appl
	582	19	0.7	23	1	US-08-621-914A-4	Sequence 4, Appli
	583	19	0.7	23	1	US-09-056-052-7	Sequence 7, Appli
c	584	19	0.7	24	1	US-09-721-154-4	Sequence 4, Appli
	585	19	0.7	25	1	US-09-380-420C-11	Sequence 11, Appl
	586	19	0.7	25	1	US-09-899-642A-11	Sequence 11, Appl
	587	19	0.7	28	1	US-09-394-630-10	Sequence 10, Appl
c	588	19	0.7	29	1	US-08-400-275-13	Sequence 13, Appl
	589	19	0.7	29	1	US-08-227-476-5	Sequence 5, Appli
c	590	19	0.7	32	1	US-08-522-623-14	Sequence 14, Appl
c	591	19	0.7	32	1	PCT-US93-03256-14	Sequence 14, Appl
	592	19	0.7	32	1	US-09-603-830-51	Sequence 51, Appl
	593	19	0.7	32	1	US-09-976-978A-51	Sequence 51, Appl
	594	19	0.7	32	1	US-09-961-949A-51	Sequence 51, Appl
	595	19	0.7	32	1	US-09-966-491A-51	Sequence 51, Appl
	596	19	0.7	32	1	US-09-957-313A-51	Sequence 51, Appl
	597	19	0.7	32	1	US-09-966-312-51	Sequence 51, Appl
	598	19	0.7	32	1	US-09-975-062A-51	Sequence 51, Appl
	599	19	0.7	32	1	US-09-976-971A-51	Sequence 51, Appl
c	600	19	0.7	34	1	US-09-522-217-27	Sequence 27, Appl
c	601	19	0.7	34	1	US-09-923-246-27	Sequence 27, Appl
c	602	19	0.7	34	1	US-10-295-723-27	Sequence 27, Appl
c	603	19	0.7	35	1	US-08-173-489C-19	Sequence 19, Appl
	604	18.6	0.7	27	1	US-09-750-401-28	Sequence 28, Appl
	605	18.4	0.7	20	1	US-07-912-900-20	Sequence 20, Appl
	606	18.4	0.7	20	1	US-08-285-309-20	Sequence 20, Appl
	607	18.4	0.7	20	1	US-08-313-075A-11	Sequence 11, Appl
	608	18.4	0.7	20	1	US-08-502-046-20	Sequence 20, Appl
c	609	18.4	0.7	20	1	US-08-108-591B-4	Sequence 4, Appli
	610	18.4	0.7	20	1	US-09-588-950A-5	Sequence 5, Appli
	611	18.4	0.7	26	1	US-08-978-321-1	Sequence 1, Appli
	612	18.2	0.6	19	1	US-08-881-784-18	Sequence 18, Appl
c	613	18.2	0.6	19	1	US-08-881-784-18	Sequence 18, Appl
	614	18.2	0.6	19	1	US-09-292-768-18	Sequence 18, Appl
c	615	18.2	0.6	19	1	US-09-292-768-18	Sequence 18, Appl
	616	18.2	0.6	23	1	US-08-018-129-15	Sequence 15, Appl
c	617	18.2	0.6	23	1	US-07-869-933-7	Sequence 7, Appli
	618	18.2	0.6	23	1	US-08-448-250-15	Sequence 15, Appl
	619	18.2	0.6	23	1	US-09-057-328-6	Sequence 6, Appli
c	620	18.2	0.6	23	1	US-09-103-663-7	Sequence 7, Appli
	621	18.2	0.6	23	1	US-09-276-533A-22	Sequence 22, Appl
	622	18.2	0.6	23	1	US-09-282-257-15	Sequence 15, Appl
	623	18.2	0.6	25	1	US-08-115-497-1	Sequence 1, Appli
	624	18.2	0.6	25	1	US-08-466-670-1	Sequence 1, Appli
	625	18.2	0.6	26	1	US-08-291-011-10	Sequence 10, Appl
	626	18.2	0.6	26	1	US-09-266-065-10	Sequence 10, Appl
	627	18.2	0.6	26	1	US-09-935-247-10	Sequence 10, Appl
c	628	18.2	0.6	28	1	US-08-858-767-22	Sequence 22, Appl
c	629	18.2	0.6	28	1	US-08-863-028-22	Sequence 22, Appl
	630	18	0.6	18	1	US-08-621-914A-16	Sequence 16, Appl
c	631	18	0.6	18	1	US-08-621-914A-16	Sequence 16, Appl
	632	18	0.6	18	1	US-08-346-429-3	Sequence 3, Appli
c	633	18	0.6	18	1	US-08-346-429-3	Sequence 3, Appli
	634	18	0.6	18	1	US-08-358-556A-12	Sequence 12, Appl
c	635	18	0.6	18	1	US-08-358-556A-12	Sequence 12, Appl
	636	18	0.6	18	1	US-08-358-556A-18	Sequence 18, Appl
c	637	18	0.6	18	1	US-08-358-556A-18	Sequence 18, Appl
	638	18	0.6	18	1	US-08-469-852A-4	Sequence 4, Appli
c	639	18	0.6	18	1	US-08-469-852A-4	Sequence 4, Appli
	640	18	0.6	18	1	US-08-295-509B-4	Sequence 4, Appli
c	641	18	0.6	18	1	US-08-295-509B-4	Sequence 4, Appli
	642	18	0.6	18	1	US-08-884-029-9	Sequence 9, Appli
c	643	18	0.6	18	1	US-08-884-029-9	Sequence 9, Appli
	644	18	0.6	18	1	US-08-941-445A-30	Sequence 30, Appl
c	645	18	0.6	18	1	US-08-941-445A-30	Sequence 30, Appl
c	646	18	0.6	18	1	US-09-637-751A-7	Sequence 7, Appli
	647	18	0.6	18	1	US-09-545-225-9	Sequence 9, Appli
c	648	18	0.6	18	1	US-09-545-225-9	Sequence 9, Appli
	649	18	0.6	18	1	US-09-619-103-24	Sequence 24, Appl
c	650	18	0.6	18	1	US-09-619-103-24	Sequence 24, Appl
	651	18	0.6	18	1	US-09-370-541-14	Sequence 14, Appl
c	652	18	0.6	18	1	US-09-370-541-14	Sequence 14, Appl
	653	18	0.6	18	1	US-10-125-295-9	Sequence 9, Appli
c	654	18	0.6	18	1	US-10-125-295-9	Sequence 9, Appli
	655	18	0.6	18	1	PCT-US94-05407-4	Sequence 4, Appli
c	656	18	0.6	18	1	PCT-US94-05407-4	Sequence 4, Appli
	657	18	0.6	19	1	US-09-435-806-7	Sequence 7, Appli
c	658	18	0.6	19	1	US-09-435-806-7	Sequence 7, Appli
c	659	18	0.6	20	1	US-08-482-918-33	Sequence 33, Appl
	660	18	0.6	20	1	US-08-482-918-34	Sequence 34, Appl
c	661	18	0.6	20	1	US-09-224-681-33	Sequence 33, Appl
	662	18	0.6	20	1	US-09-224-681-34	Sequence 34, Appl
c	663	18	0.6	20	1	US-08-336-728A-33	Sequence 33, Appl
	664	18	0.6	20	1	US-08-336-728A-34	Sequence 34, Appl
	665	18	0.6	20	1	US-08-482-918-32	Sequence 32, Appl
c	666	18	0.6	20	1	US-08-482-918-32	Sequence 32, Appl
	667	18	0.6	20	1	US-09-224-681-32	Sequence 32, Appl
c	668	18	0.6	20	1	US-09-224-681-32	Sequence 32, Appl
	669	18	0.6	20	1	US-08-336-728A-32	Sequence 32, Appl
c	670	18	0.6	20	1	US-08-336-728A-32	Sequence 32, Appl
	671	18	0.6	22	1	US-08-123-449A-1	Sequence 1, Appli
c	672	18	0.6	22	1	US-08-123-449A-1	Sequence 1, Appli
	673	18	0.6	22	1	US-08-123-449A-2	Sequence 2, Appli
c	674	18	0.6	22	1	US-08-123-449A-2	Sequence 2, Appli
	675	18	0.6	22	1	US-08-458-050-1	Sequence 1, Appli
c	676	18	0.6	22	1	US-08-458-050-1	Sequence 1, Appli
	677	18	0.6	22	1	US-08-458-050-2	Sequence 2, Appli
c	678	18	0.6	22	1	US-08-458-050-2	Sequence 2, Appli
	679	18	0.6	22	1	US-08-950-196-1	Sequence 1, Appli
c	680	18	0.6	22	1	US-08-950-196-1	Sequence 1, Appli
	681	18	0.6	22	1	US-08-950-196-2	Sequence 2, Appli
c	682	18	0.6	22	1	US-08-950-196-2	Sequence 2, Appli
	683	18	0.6	23	1	PCT-US94-05407-7	Sequence 7, Appli
c	684	18	0.6	23	1	PCT-US94-05407-7	Sequence 7, Appli
	685	18	0.6	23	1	PCT-US94-05407-8	Sequence 8, Appli
c	686	18	0.6	23	1	PCT-US94-05407-8	Sequence 8, Appli
c	687	18	0.6	24	1	US-08-906-156A-82	Sequence 82, Appl
c	688	18	0.6	26	1	US-09-475-316A-59	Sequence 59, Appl
c	689	18	0.6	26	1	US-09-704-640-59	Sequence 59, Appl
c	690	18	0.6	26	1	US-08-117-361C-3	Sequence 3, Appli

c 691	18	0.6	26	1	US-08-978-321-1	Sequence 1, Appli
692	18	0.6	26	1	US-08-622-354-8	Sequence 8, Appli
693	18	0.6	26	1	US-08-859-998-703	Sequence 703, App
c 694	18	0.6	26	1	US-08-648-272-20	Sequence 20, Appl
695	18	0.6	26	1	US-09-282-147-1	Sequence 1, Appli
696	18	0.6	26	1	US-09-225-928-703	Sequence 703, App
697	18	0.6	26	1	US-09-225-201B-703	Sequence 703, App
c 698	18	0.6	27	1	US-08-821-451A-16	Sequence 16, Appl
c 699	18	0.6	27	1	US-09-263-810-16	Sequence 16, Appl
c 700	18	0.6	27	1	US-09-583-169-16	Sequence 16, Appl
c 701	18	0.6	27	1	US-08-733-446-14	Sequence 14, Appl
c 702	18	0.6	28	1	US-08-858-767-15	Sequence 15, Appl
c 703	18	0.6	28	1	US-08-863-028-15	Sequence 15, Appl
c 704	18	0.6	28	1	US-09-394-630-10	Sequence 10, Appl
c 705	18	0.6	30	1	US-09-011-143-23	Sequence 23, Appl
c 706	18	0.6	30	1	US-09-302-495-23	Sequence 23, Appl
c 707	18	0.6	30	1	US-10-079-616-23	Sequence 23, Appl
c 708	18	0.6	32	1	US-08-126-594-8	Sequence 8, Appli
c 709	18	0.6	32	1	US-08-465-811A-8	Sequence 8, Appli
c 710	18	0.6	32	1	US-08-619-542B-8	Sequence 8, Appli
c 711	18	0.6	32	1	US-08-627-706-7	Sequence 7, Appli
c 712	18	0.6	32	1	US-08-766-355-8	Sequence 8, Appli
c 713	18	0.6	32	1	US-09-103-489-7	Sequence 7, Appli
c 714	18	0.6	32	1	US-09-003-198A-8	Sequence 8, Appli
c 715	18	0.6	32	1	US-09-428-805-8	Sequence 8, Appli
c 716	18	0.6	32	1	US-09-732-210-16	Sequence 16, Appl
c 717	18	0.6	32	1	US-09-829-381D-7	Sequence 7, Appli
c 718	18	0.6	32	1	US-09-750-401-10	Sequence 10, Appl
719	17.8	0.6	19	1	US-08-973-857-6	Sequence 6, Appli
c 720	17.8	0.6	19	1	US-08-973-857-6	Sequence 6, Appli
721	17.8	0.6	24	1	US-09-721-154-7	Sequence 7, Appli
c 722	17.8	0.6	25	1	US-08-974-549A-435	Sequence 435, App
723	17.8	0.6	25	1	US-09-710-200-50	Sequence 50, Appl
c 724	17.8	0.6	25	1	US-08-912-951-202	Sequence 202, App
725	17.8	0.6	25	1	US-09-975-408-50	Sequence 50, Appl
c 726	17.8	0.6	25	1	US-09-402-181B-435	Sequence 435, App
c 727	17.8	0.6	25	1	US-09-721-456-435	Sequence 435, App
728	17.8	0.6	25	1	US-09-827-998-1798	Sequence 1798, Ap
729	17.8	0.6	25	1	US-09-827-998-1799	Sequence 1799, Ap
730	17.8	0.6	25	1	US-09-827-998-1800	Sequence 1800, Ap
731	17.8	0.6	25	1	US-09-827-998-1801	Sequence 1801, Ap
732	17.8	0.6	25	1	US-09-827-998-1802	Sequence 1802, Ap
c 733	17.6	0.6	24	1	US-09-043-303-16	Sequence 16, Appl
734	17.6	0.6	25	1	US-09-647-390-10	Sequence 10, Appl
735	17.6	0.6	26	1	US-08-910-632-5	Sequence 5, Appli
736	17.6	0.6	26	1	US-08-805-631A-5	Sequence 5, Appli
737	17.6	0.6	26	1	US-09-569-344-5	Sequence 5, Appli
c 738	17.6	0.6	29	1	US-08-910-632-6	Sequence 6, Appli
c 739	17.6	0.6	29	1	US-08-805-631A-6	Sequence 6, Appli
c 740	17.6	0.6	29	1	US-09-569-344-6	Sequence 6, Appli
741	17.4	0.6	20	1	US-08-108-591B-4	Sequence 4, Appli
c 742	17.4	0.6	20	1	US-09-588-950A-5	Sequence 5, Appli
c 743	17.4	0.6	21	1	US-09-475-947A-119	Sequence 119, App
c 744	17.4	0.6	21	1	US-08-704-966-7	Sequence 7, Appli
c 745	17.4	0.6	21	1	US-08-705-438-7	Sequence 7, Appli
746	17.4	0.6	23	1	US-08-621-914A-5	Sequence 5, Appli
c 747	17.4	0.6	23	1	US-08-621-914A-5	Sequence 5, Appli
748	17.4	0.6	23	1	US-09-056-052-8	Sequence 8, Appli
c 749	17.4	0.6	24	1	US-09-721-154-6	Sequence 6, Appli
c 750	17.4	0.6	24	1	US-09-721-154-2	Sequence 2, Appli
751	17.4	0.6	28	1	US-08-858-767-22	Sequence 22, Appl
752	17.4	0.6	28	1	US-08-863-028-22	Sequence 22, Appl
c 753	17.4	0.6	30	1	US-09-725-265-9	Sequence 9, Appli
c 754	17.4	0.6	30	1	US-09-725-265-10	Sequence 10, Appl
c 755	17.4	0.6	30	1	US-09-725-265-11	Sequence 11, Appl
c 756	17.4	0.6	30	1	US-09-725-265-4	Sequence 4, Appli
c 757	17.4	0.6	30	1	US-09-725-265-5	Sequence 5, Appli
c 758	17.4	0.6	30	1	US-09-725-265-6	Sequence 6, Appli
c 759	17.4	0.6	30	1	US-09-725-265-7	Sequence 7, Appli
c 760	17.4	0.6	30	1	US-09-725-265-8	Sequence 8, Appli
c 761	17.4	0.6	30	1	US-09-725-265-12	Sequence 12, Appl
c 762	17.4	0.6	30	1	US-09-725-265-13	Sequence 13, Appl
763	17.2	0.6	19	1	US-09-130-079-1	Sequence 1, Appli
c 764	17.2	0.6	19	1	US-09-130-079-1	Sequence 1, Appli
765	17.2	0.6	23	1	US-08-621-914A-6	Sequence 6, Appli
766	17.2	0.6	23	1	US-09-056-052-9	Sequence 9, Appli
c 767	17.2	0.6	28	1	US-08-805-814-9	Sequence 9, Appli
c 768	17.2	0.6	28	1	US-08-484-815-9	Sequence 9, Appli
c 769	17.2	0.6	28	1	US-08-888-949-9	Sequence 9, Appli
c 770	17.2	0.6	28	1	US-08-888-950-9	Sequence 9, Appli
c 771	17.2	0.6	28	1	US-09-262-758-9	Sequence 9, Appli
c 772	17.2	0.6	28	1	US-08-821-827C-19	Sequence 19, Appl
c 773	17.2	0.6	28	1	US-09-290-202B-19	Sequence 19, Appl
c 774	17.2	0.6	28	1	US-09-885-876-9	Sequence 9, Appli
c 775	17.2	0.6	28	1	US-09-885-901-9	Sequence 9, Appli
c 776	17.2	0.6	28	1	US-09-731-393-9	Sequence 9, Appli
c 777	17.2	0.6	28	1	PCT-US95-10284-9	Sequence 9, Appli
c 778	17.2	0.6	35	1	US-08-435-350-118	Sequence 118, App
779	17	0.6	17	1	US-08-851-843A-132	Sequence 132, App
c 780	17	0.6	17	1	US-08-851-843A-132	Sequence 132, App
781	17	0.6	17	1	US-09-250-075-5	Sequence 5, Appli
c 782	17	0.6	17	1	US-09-250-075-5	Sequence 5, Appli
783	17	0.6	17	1	US-08-854-050-132	Sequence 132, App
c 784	17	0.6	17	1	US-08-854-050-132	Sequence 132, App
785	17	0.6	17	1	US-09-430-323-132	Sequence 132, App
c 786	17	0.6	17	1	US-09-430-323-132	Sequence 132, App
787	17	0.6	17	1	US-08-584-040-2550	Sequence 2550, Ap
c 788	17	0.6	17	1	US-08-584-040-2551	Sequence 2551, Ap
789	17	0.6	17	1	US-09-619-103-23	Sequence 23, Appl
c 790	17	0.6	17	1	US-09-619-103-23	Sequence 23, Appl
791	17	0.6	17	1	US-09-726-096A-5	Sequence 5, Appli
c 792	17	0.6	17	1	US-09-726-096A-5	Sequence 5, Appli
793	17	0.6	17	1	US-09-371-772B-1074	Sequence 1074, Ap
c 794	17	0.6	17	1	US-09-371-772B-1075	Sequence 1075, Ap
c 795	17	0.6	20	1	US-07-912-900-20	Sequence 20, Appl
c 796	17	0.6	20	1	US-08-285-309-20	Sequence 20, Appl
c 797	17	0.6	20	1	US-08-313-075A-11	Sequence 11, Appl
c 798	17	0.6	20	1	US-08-502-046-20	Sequence 20, Appl
c 799	17	0.6	23	1	US-08-018-129-15	Sequence 15, Appl
c 800	17	0.6	23	1	US-08-448-250-15	Sequence 15, Appl
c 801	17	0.6	23	1	US-09-282-257-15	Sequence 15, Appl
802	17	0.6	24	1	US-08-356-790-9	Sequence 9, Appli
803	17	0.6	25	1	US-08-379-280-1	Sequence 1, Appli
c 804	17	0.6	25	1	US-09-159-496-2	Sequence 2, Appli
c 805	17	0.6	25	1	US-09-827-998-1296	Sequence 1296, Ap
806	17	0.6	25	1	US-09-827-998-1803	Sequence 1803, Ap
807	17	0.6	25	1	US-09-827-998-1804	Sequence 1804, Ap
c 808	17	0.6	26	1	US-08-014-943A-21	Sequence 21, Appl
c 809	17	0.6	26	1	US-08-486-421-15	Sequence 15, Appl
c 810	17	0.6	26	1	US-08-470-911-15	Sequence 15, Appl
c 811	17	0.6	26	1	US-08-486-809-15	Sequence 15, Appl
c 812	17	0.6	26	1	US-08-622-354-8	Sequence 8, Appli
813	17	0.6	26	1	US-07-885-970A-1	Sequence 1, Appli
814	17	0.6	26	1	US-08-298-687A-1	Sequence 1, Appli
815	17	0.6	26	1	US-08-241-943-1	Sequence 1, Appli
816	17	0.6	26	1	US-08-378-588-1	Sequence 1, Appli
817	17	0.6	26	1	US-08-298-829-1	Sequence 1, Appli
818	17	0.6	26	1	US-08-811-094-1	Sequence 1, Appli
c 819	17	0.6	26	1	US-08-602-716A-1	Sequence 1, Appli
820	17	0.6	26	1	US-08-467-504-10	Sequence 10, Appl
821	17	0.6	26	1	PCT-US94-11121-1	Sequence 1, Appli
c 822	17	0.6	28	1	US-08-858-767-13	Sequence 13, Appl
c 823	17	0.6	28	1	US-08-858-767-14	Sequence 14, Appl
c 824	17	0.6	28	1	US-08-863-028-13	Sequence 13, Appl
c 825	17	0.6	28	1	US-08-863-028-14	Sequence 14, Appl
c 826	17	0.6	29	1	US-08-090-369-8	Sequence 8, Appli
c 827	17	0.6	29	1	US-09-482-971-8	Sequence 8, Appli
828	16.8	0.6	20	1	US-08-904-901-158	Sequence 158, App
829	16.8	0.6	20	1	US-09-344-914-87	Sequence 87, Appl
830	16.8	0.6	20	1	US-09-249-730-158	Sequence 158, App
831	16.8	0.6	20	1	US-09-593-711A-37	Sequence 37, Appl
c 832	16.8	0.6	20	1	US-08-108-591B-5	Sequence 5, Appli
833	16.8	0.6	20	1	US-09-249-247-158	Sequence 158, App
c 834	16.8	0.6	20	1	US-09-823-634A-16	Sequence 16, Appl
c 835	16.8	0.6	20	1	US-09-823-647B-16	Sequence 16, Appl
836	16.8	0.6	22	1	US-08-457-273B-31	Sequence 31, Appl

	837	16.8	0.6	25	1	US-08-161-281A-10	Sequence 10, Appl
	838	16.8	0.6	25	1	US-09-827-998-1797	Sequence 1797, Ap
	839	16.6	0.6	24	1	US-08-004-552-4	Sequence 4, Appli
	840	16.6	0.6	25	1	US-08-374-144-3	Sequence 3, Appli
	841	16.6	0.6	25	1	US-08-775-164-3	Sequence 3, Appli
c	842	16.6	0.6	25	1	US-08-507-634-7	Sequence 7, Appli
	843	16.6	0.6	25	1	US-08-775-609-3	Sequence 3, Appli
	844	16.6	0.6	25	1	US-08-775-607-3	Sequence 3, Appli
	845	16.6	0.6	25	1	US-09-352-608-9	Sequence 9, Appli
	846	16.6	0.6	25	1	US-09-827-998-1470	Sequence 1470, Ap
	847	16.6	0.6	25	1	US-09-827-998-1471	Sequence 1471, Ap
	848	16.6	0.6	25	1	US-09-827-998-1472	Sequence 1472, .Ap
	849	16.6	0.6	25	1	US-09-866-108A-15557	Sequence 15557, A
	850	16.6	0.6	25	1	US-09-866-108A-15558	Sequence 15558, A
	851	16.6	0.6	25	1	US-09-866-108A-15559	Sequence 15559, A
	852	16.6	0.6	25	1	PCT-US93-06828-3	Sequence 3, Appli
	853	16.4	0.6	18	1	US-09-637-751A-7	Sequence 7, Appli
c	854	16.4	0.6	18	1	US-09-637-751A-5	Sequence 5, Appli
	855	16.4	0.6	18	1	US-09-637-751A-6	Sequence 6, Appli
c	856	16.4	0.6	18	1	US-09-637-751A-6	Sequence 6, Appli
	857	16.4	0.6	20	1	US-08-275-951-49	Sequence 49, Appl
	858	16.4	0.6	22	1	US-08-235-180-28	Sequence 28, Appl
	859	16.4	0.6	22	1	US-08-332-420-10	Sequence 10, Appl
	860	16.4	0.6	23	1	US-07-869-933-7	Sequence 7, Appli
	861	16.4	0.6	23	1	US-09-103-663-7	Sequence 7, Appli
c	862	16.4	0.6	23	1	US-09-056-052-8	Sequence 8, Appli
c	863	16.4	0.6	24	1	US-09-244-794A-10	Sequence 10, Appl
c	864	16.4	0.6	24	1	US-09-007-005-10	Sequence 10, Appl
c	865	16.4	0.6	24	1	US-09-247-190-10	Sequence 10, Appl
c	866	16.4	0.6	24	1	US-09-244-796-10	Sequence 10, Appl
	867	16.4	0.6	24	1	US-08-671-548C-66	Sequence 66, Appl
c	868	16.4	0.6	24	1	US-09-238-710-10	Sequence 10, Appl
	869	16.2	0.6	21	1	US-08-704-966-7	Sequence 7, Appli
	870	16.2	0.6	21	1	US-08-705-438-7	Sequence 7, Appli
	871	16.2	0.6	21	1	US-07-960-982-17	Sequence 17, Appl
	872	16.2	0.6	21	1	US-09-228-942-8	Sequence 8, Appli
c	873	16.2	0.6	21	1	US-09-475-947A-64	Sequence 64, Appl
	874	16.2	0.6	21	1	US-09-422-978-8160	Sequence 8160, Ap
	875	16.2	0.6	24	1	US-08-859-998-1299	Sequence 1299, Ap
	876	16.2	0.6	24	1	US-09-194-905-2	Sequence 2, Appli
	877	16.2	0.6	24	1	US-09-225-928-1299	Sequence 1299, Ap
	878	16.2	0.6	24	1	US-09-225-201B-1299	Sequence 1299, Ap
c	879	16.2	0.6	25	1	US-09-380-420C-11	Sequence 11, Appl
c	880	16.2	0.6	25	1	US-09-899-642A-11	Sequence 11, Appl
	881	16	0.6	16	1	US-07-971-978-36	Sequence 36, Appl
c	882	16	0.6	16	1	US-07-971-978-36	Sequence 36, Appl
	883	16	0.6	16	1	US-07-971-978-42	Sequence 42, Appl
c	884	16	0.6	16	1	US-07-971-978-42	Sequence 42, Appl
	885	16	0.6	16	1	US-07-971-978-60	Sequence 60, Appl
c	886	16	0.6	16	1	US-07-971-978-60	Sequence 60, Appl
	887	16	0.6	16	1	US-08-415-370-2	Sequence 2, Appli
c	888	16	0.6	16	1	US-08-415-370-2	Sequence 2, Appli
	889	16	0.6	16	1	US-08-687-551-15	Sequence 15, Appl
c	890	16	0.6	16	1	US-08-687-551-15	Sequence 15, Appl
	891	16	0.6	16	1	US-09-141-764-2	Sequence 2, Appli
c	892	16	0.6	16	1	US-09-141-764-2	Sequence 2, Appli
	893	16	0.6	16	1	US-08-851-843A-131	Sequence 131, App
c	894	16	0.6	16	1	US-08-851-843A-131	Sequence 131, App
	895	16	0.6	16	1	US-08-854-050-131	Sequence 131, App
c	896	16	0.6	16	1	US-08-854-050-131	Sequence 131, App
	897	16	0.6	16	1	US-09-124-238A-4	Sequence 4, Appli
	898	16	0.6	16	1	US-09-430-323-131	Sequence 131, App
c	899	16	0.6	16	1	US-09-430-323-131	Sequence 131, App
	900	16	0.6	16	1	US-09-507-345A-2	Sequence 2, Appli
c	901	16	0.6	16	1	US-09-507-345A-2	Sequence 2, Appli
	902	16	0.6	16	1	US-09-619-103-22	Sequence 22, Appl
c	903	16	0.6	16	1	US-09-619-103-22	Sequence 22, Appl
	904	16	0.6	16	1	US-09-331-930A-4	Sequence 4, Appli
	905	16	0.6	16	1	US-09-721-975-4	Sequence 4, Appli
	906	16	0.6	16	1	US-08-894-251A-5	Sequence 5, Appli
	907	16	0.6	16	1	US-09-739-928-2	Sequence 2, Appli
c	908	16	0.6	16	1	US-09-739-928-2	Sequence 2, Appli
	909	16	0.6	16	1	US-09-300-958A-56	Sequence 56, Appl
	910	16	0.6	16	1	US-09-300-958A-83	Sequence 83, Appl
	911	16	0.6	16	1	US-09-986-621-4	Sequence 4, Appli
	912	16	0.6	16	1	US-09-527-972-15	Sequence 15, Appl
c	913	16	0.6	17	1	US-08-584-040-2550	Sequence 2550, Ap
	914	16	0.6	17	1	US-08-584-040-2551	Sequence 2551, Ap
c	915	16	0.6	17	1	US-09-371-772B-1074	Sequence 1074, Ap
	916	16	0.6	17	1	US-09-371-772B-1075	Sequence 1075, Ap
	917	16	0.6	17	1	US-08-821-827C-30	Sequence 30, Appl
c	918	16	0.6	17	1	US-08-821-827C-30	Sequence 30, Appl
	919	16	0.6	17	1	US-09-290-202B-30	Sequence 30, Appl
c	920	16	0.6	17	1	US-09-290-202B-30	Sequence 30, Appl
	921	16	0.6	17	1	US-08-584-040-2549	Sequence 2549, Ap
c	922	16	0.6	17	1	US-08-584-040-2552	Sequence 2552, Ap
c	923	16	0.6	17	1	US-09-475-947A-118	Sequence 118, App
	924	16	0.6	17	1	US-09-300-958A-63	Sequence 63, Appl
	925	16	0.6	17	1	US-09-371-772B-1073	Sequence 1073, Ap
c	926	16	0.6	17	1	US-09-371-772B-1076	Sequence 1076, Ap
	927	16	0.6	18	1	US-09-637-751A-5	Sequence 5, Appli
	928	16	0.6	18	1	US-09-437-076-1	Sequence 1, Appli
c	929	16	0.6	20	1	US-08-715-461-5	Sequence 5, Appli
	930	16	0.6	20	1	US-09-965-599-4	Sequence 4, Appli
c	931	16	0.6	20	1	US-09-965-599-4	Sequence 4, Appli
	932	16	0.6	20	1	US-09-198-452A-2893	Sequence 2893, Ap
c	933	16	0.6	21	1	US-09-228-942-8	Sequence 8, Appli
c	934	16	0.6	23	1	US-08-621-914A-4	Sequence 4, Appli
c	935	16	0.6	23	1	US-09-056-052-7	Sequence 7, Appli
c	936	16	0.6	23	1	US-08-621-914A-6	Sequence 6, Appli
c	937	16	0.6	23	1	US-09-056-052-9	Sequence 9, Appli
c	938	16	0.6	24	1	US-08-356-790-9	Sequence 9, Appli
	939	16	0.6	24	1	US-08-983-108-1	Sequence 1, Appli
c	940	16	0.6	24	1	US-09-150-900-14	Sequence 14, Appl
	941	16	0.6	24	1	US-09-719-919A-13	Sequence 13, Appl
	942	16	0.6	24	1	PCT-US92-10792-27	Sequence 27, Appl
	943	16	0.6	24	1	5399676-1	Patent No. 5399676
c	944	16	0.6	26	1	US-09-282-147-1	Sequence 1, Appli
	945	16	0.6	26	1	US-08-602-716A-1	Sequence 1, Appli
	946	15.8	0.6	20	1	US-07-841-652-26	Sequence 26, Appl
c	947	15.8	0.6	20	1	US-08-164-200-6	Sequence 6, Appli
c	948	15.8	0.6	20	1	US-08-179-655A-1	Sequence 1, Appli
c	949	15.8	0.6	20	1	US-08-327-371-4	Sequence 4, Appli
c	950	15.8	0.6	20	1	US-08-670-999-4	Sequence 4, Appli
c	951	15.8	0.6	20	1	US-08-511-536-8	Sequence 8, Appli
	952	15.8	0.6	20	1	US-09-344-914-86	Sequence 86, Appl
	953	15.8	0.6	20	1	US-09-030-701-65	Sequence 65, Appl
c	954	15.8	0.6	20	1	US-09-114-399-4	Sequence 4, Appli
c	955	15.8	0.6	20	1	US-09-104-549-2	Sequence 2, Appli
	956	15.8	0.6	20	1	US-09-082-649B-57	Sequence 57, Appl
c	957	15.8	0.6	20	1	US-09-426-804-2	Sequence 2, Appli
c	958	15.8	0.6	20	1	US-09-725-265-35	Sequence 35, Appl
c	959	15.8	0.6	20	1	US-09-422-978-11754	Sequence 11754, A
c	960	15.8	0.6	20	1	US-09-820-587-2	Sequence 2, Appli
c	961	15.8	0.6	20	1	US-09-780-045-104	Sequence 104, App
c	962	15.8	0.6	20	1	US-08-527-126-3	Sequence 3, Appli
c	963	15.8	0.6	21	1	US-08-863-639A-52	Sequence 52, Appl
c	964	15.8	0.6	21	1	US-08-863-639A-55	Sequence 55, Appl
	965	15.8	0.6	21	1	US-08-863-639A-56	Sequence 56, Appl
c	966	15.8	0.6	21	1	US-08-863-639A-67	Sequence 67, Appl
	967	15.8	0.6	21	1	US-08-863-639A-68	Sequence 68, Appl
	968	15.8	0.6	21	1	US-08-863-639A-71	Sequence 71, Appl
	969	15.8	0.6	21	1	US-08-416-214A-11	Sequence 11, Appl
c	970	15.8	0.6	21	1	US-09-009-913-100	Sequence 100, App
c	971	15.8	0.6	22	1	US-09-688-990-20	Sequence 20, Appl
	972	15.8	0.6	23	1	US-08-660-402-3	Sequence 3, Appli
c	973	15.8	0.6	23	1	US-08-660-402-7	Sequence 7, Appli
	974	15.8	0.6	23	1	PCT-US96-10035-3	Sequence 3, Appli
c	975	15.8	0.6	23	1	PCT-US96-10035-7	Sequence 7, Appli
c	976	15.8	0.6	24	1	US-08-570-155-16	Sequence 16, Appl
	977	15.8	0.6	24	1	US-08-570-155-17	Sequence 17, Appl
c	978	15.8	0.6	24	1	US-09-005-923-8	Sequence 8, Appli
c	979	15.8	0.6	24	1	US-09-356-806-82	Sequence 82, Appl
c	980	15.8	0.6	25	1	US-08-161-281A-10	Sequence 10, Appl
c	981	15.8	0.6	34	1	US-08-910-632-38	Sequence 38, Appl
c	982	15.8	0.6	34	1	US-08-805-631A-38	Sequence 38, Appl

c 983	15.8	0.6	34	1	US-09-569-344-38	Sequence 38, Appl
c 984	15.6	0.6	17	1	US-08-937-067-17	Sequence 17, Appl
c 985	15.6	0.6	22	1	US-08-450-905B-152	Sequence 152, App
c 986	15.6	0.6	22	1	US-07-982-759F-152	Sequence 152, App
987	15.6	0.6	22	1	US-09-120-887-9	Sequence 9, Appli
c 988	15.6	0.6	22	1	US-08-943-731-222	Sequence 222, App
989	15.6	0.6	22	1	US-09-479-128-15	Sequence 15, Appl
990	15.6	0.6	23	1	US-08-331-398A-16	Sequence 16, Appl
991	15.6	0.6	23	1	US-08-331-397B-16	Sequence 16, Appl
992	15.6	0.6	23	1	US-08-759-804A-16	Sequence 16, Appl
993	15.6	0.6	23	1	US-09-227-693-16	Sequence 16, Appl
994	15.6	0.6	24	1	US-09-244-794A-10	Sequence 10, Appl
995	15.6	0.6	24	1	US-09-007-005-10	Sequence 10, Appl
996	15.6	0.6	24	1	US-09-247-190-10	Sequence 10, Appl
997	15.6	0.6	24	1	US-09-244-796-10	Sequence 10, Appl
998	15.6	0.6	24	1	US-09-238-710-10	Sequence 10, Appl
c 999	15.6	0.6	24	1	US-08-242-402-13	Sequence 13, Appl
c1000	15.6	0.6	24	1	US-08-682-423-26	Sequence 26, Appl
c1001	15.6	0.6	24	1	PCT-US95-05141-26	Sequence 26, Appl
1002	15.4	0.5	17	1	US-08-584-040-2546	Sequence 2546, Ap
1003	15.4	0.5	17	1	US-08-584-040-2547	Sequence 2547, Ap
1004	15.4	0.5	17	1	US-08-584-040-2548	Sequence 2548, Ap
c1005	15.4	0.5	17	1	US-08-584-040-2553	Sequence 2553, Ap
c1006	15.4	0.5	17	1	US-08-584-040-2554	Sequence 2554, Ap
1007	15.4	0.5	17	1	US-09-371-772B-1070	Sequence 1070, Ap
1008	15.4	0.5	17	1	US-09-371-772B-1071	Sequence 1071, Ap
1009	15.4	0.5	17	1	US-09-371-772B-1072	Sequence 1072, Ap
c1010	15.4	0.5	17	1	US-09-371-772B-1077	Sequence 1077, Ap
c1011	15.4	0.5	17	1	US-09-371-772B-1078	Sequence 1078, Ap
1012	15.4	0.5	18	1	US-08-857-946-14	Sequence 14, Appl
1013	15.4	0.5	18	1	US-08-970-740-14	Sequence 14, Appl
1014	15.4	0.5	18	1	PCT-US91-03680-73	Sequence 73, Appl
c1015	15.4	0.5	18	1	PCT-US91-03680-73	Sequence 73, Appl
1016	15.4	0.5	18	1	PCT-US91-03680-74	Sequence 74, Appl
c1017	15.4	0.5	18	1	PCT-US91-03680-74	Sequence 74, Appl
c1018	15.4	0.5	20	1	US-08-275-951-49	Sequence 49, Appl
c1019	15.4	0.5	20	1	US-08-715-461-3	Sequence 3, Appli
c1020	15.4	0.5	20	1	US-08-715-461-4	Sequence 4, Appli
c1021	15.4	0.5	21	1	US-08-475-845-3	Sequence 3, Appli
c1022	15.4	0.5	21	1	US-08-327-690-3	Sequence 3, Appli
c1023	15.4	0.5	21	1	US-08-660-289-3	Sequence 3, Appli
c1024	15.4	0.5	21	1	US-08-537-807-3	Sequence 3, Appli
c1025	15.4	0.5	21	1	US-08-871-003-3	Sequence 3, Appli
c1026	15.4	0.5	21	1	US-08-464-233-3	Sequence 3, Appli
c1027	15.4	0.5	21	1	US-09-189-607-3	Sequence 3, Appli
c1028	15.4	0.5	21	1	US-09-378-907-3	Sequence 3, Appli
c1029	15.4	0.5	21	1	PCT-US94-05779-3	Sequence 3, Appli
1030	15.4	0.5	22	1	US-08-235-180-25	Sequence 25, Appl
1031	15.4	0.5	22	1	US-08-235-180-26	Sequence 26, Appl
1032	15.4	0.5	22	1	US-08-235-180-27	Sequence 27, Appl
1033	15.4	0.5	22	1	US-08-332-420-7	Sequence 7, Appli
1034	15.4	0.5	22	1	US-08-332-420-8	Sequence 8, Appli
1035	15.4	0.5	22	1	US-08-332-420-9	Sequence 9, Appli
1036	15.4	0.5	24	1	US-09-356-806-82	Sequence 82, Appl
c1037	15.4	0.5	29	1	US-09-750-401-18	Sequence 18, Appl
1038	15.2	0.5	17	1	US-09-390-324B-2	Sequence 2, Appli
c1039	15.2	0.5	17	1	US-09-390-324B-2	Sequence 2, Appli
1040	15.2	0.5	17	1	US-10-015-593-2	Sequence 2, Appli
c1041	15.2	0.5	17	1	US-10-015-593-2	Sequence 2, Appli
c1042	15.2	0.5	20	1	US-08-486-408-14	Sequence 14, Appl
c1043	15.2	0.5	20	1	US-08-975-570-14	Sequence 14, Appl
c1044	15.2	0.5	20	1	US-08-777-266A-34	Sequence 34, Appl
c1045	15.2	0.5	20	1	US-08-765-340-10	Sequence 10, Appl
1046	15.2	0.5	20	1	US-09-280-805-89	Sequence 89, Appl
1047	15.2	0.5	20	1	US-09-101-886B-15	Sequence 15, Appl
1048	15.2	0.5	20	1	US-09-021-701-558	Sequence 558, App
c1049	15.2	0.5	20	1	US-09-593-711A-28	Sequence 28, Appl
c1050	15.2	0.5	20	1	US-09-593-589-22	Sequence 22, Appl
c1051	15.2	0.5	20	1	US-09-326-186B-34	Sequence 34, Appl
c1052	15.2	0.5	20	1	US-09-326-186B-141	Sequence 141, App
c1053	15.2	0.5	20	1	US-09-198-452A-6152	Sequence 6152, Ap
c1054	15.2	0.5	20	1	US-09-823-634A-13	Sequence 13, Appl
c1055	15.2	0.5	20	1	US-09-823-634A-15	Sequence 15, Appl
c1056	15.2	0.5	20	1	US-09-823-634A-18	Sequence 18, Appl
c1057	15.2	0.5	20	1	US-09-823-647B-13	Sequence 13, Appl
c1058	15.2	0.5	20	1	US-09-823-647B-15	Sequence 15, Appl
c1059	15.2	0.5	20	1	US-09-823-647B-18	Sequence 18, Appl
1060	15.2	0.5	20	1	US-09-583-447A-29	Sequence 29, Appl
c1061	15.2	0.5	21	1	US-08-318-193-48	Sequence 48, Appl
1062	15.2	0.5	21	1	US-08-173-489C-118	Sequence 118, App
1063	15.2	0.5	21	1	US-09-422-978-9728	Sequence 9728, Ap
c1064	15.2	0.5	21	1	US-09-422-978-10093	Sequence 10093, A
c1065	15.2	0.5	21	1	US-09-382-552-201	Sequence 201, App
c1066	15.2	0.5	21	1	US-09-382-552-214	Sequence 214, App
c1067	15.2	0.5	22	1	US-09-416-050A-16	Sequence 16, Appl
c1068	15.2	0.5	22	1	US-09-664-800-16	Sequence 16, Appl
c1069	15.2	0.5	22	1	US-09-665-309-16	Sequence 16, Appl
c1070	15.2	0.5	22	1	US-09-661-569-16	Sequence 16, Appl
c1071	15.2	0.5	23	1	US-08-753-147-4	Sequence 4, Appli
c1072	15.2	0.5	25	1	US-08-115-497-1	Sequence 1, Appli
c1073	15.2	0.5	25	1	US-08-466-670-1	Sequence 1, Appli
c1074	15.2	0.5	26	1	US-08-291-011-10	Sequence 10, Appl
c1075	15.2	0.5	26	1	US-09-266-065-10	Sequence 10, Appl
c1076	15.2	0.5	26	1	US-09-935-247-10	Sequence 10, Appl
1077	15	0.5	15	1	US-08-452-196A-6	Sequence 6, Appli
c1078	15	0.5	15	1	US-08-452-196A-6	Sequence 6, Appli
1079	15	0.5	15	1	US-07-971-978-1	Sequence 1, Appli
c1080	15	0.5	15	1	US-07-971-978-1	Sequence 1, Appli
1081	15	0.5	15	1	US-08-756-728A-2	Sequence 2, Appli
c1082	15	0.5	15	1	US-08-756-728A-2	Sequence 2, Appli
1083	15	0.5	15	1	US-08-663-918-3	Sequence 3, Appli
c1084	15	0.5	15	1	US-08-663-918-3	Sequence 3, Appli
1085	15	0.5	15	1	US-08-663-918-4	Sequence 4, Appli
c1086	15	0.5	15	1	US-08-663-918-4	Sequence 4, Appli
1087	15	0.5	15	1	US-08-292-620A-361	Sequence 361, App
c1088	15	0.5	15	1	US-08-292-620A-361	Sequence 361, App
1089	15	0.5	15	1	US-08-292-620A-362	Sequence 362, App
c1090	15	0.5	15	1	US-08-292-620A-362	Sequence 362, App
c1091	15	0.5	15	1	US-08-292-620A-363	Sequence 363, App
c1092	15	0.5	15	1	US-08-292-620A-364	Sequence 364, App
1093	15	0.5	15	1	US-08-771-789-3	Sequence 3, Appli
c1094	15	0.5	15	1	US-08-771-789-3	Sequence 3, Appli
1095	15	0.5	15	1	US-08-771-789-4	Sequence 4, Appli
c1096	15	0.5	15	1	US-08-771-789-4	Sequence 4, Appli
1097	15	0.5	15	1	US-08-358-556A-10	Sequence 10, Appl
c1098	15	0.5	15	1	US-08-358-556A-10	Sequence 10, Appl
1099	15	0.5	15	1	US-08-358-556A-16	Sequence 16, Appl
c1100	15	0.5	15	1	US-08-358-556A-16	Sequence 16, Appl
1101	15	0.5	15	1	US-08-922-170B-5	Sequence 5, Appli
c1102	15	0.5	15	1	US-08-922-170B-5	Sequence 5, Appli
1103	15	0.5	15	1	US-08-863-639A-5	Sequence 5, Appli
c1104	15	0.5	15	1	US-08-863-639A-5	Sequence 5, Appli
1105	15	0.5	15	1	US-08-863-639A-9	Sequence 9, Appli
c1106	15	0.5	15	1	US-08-863-639A-9	Sequence 9, Appli
1107	15	0.5	15	1	US-08-693-831-1	Sequence 1, Appli
c1108	15	0.5	15	1	US-08-693-831-1	Sequence 1, Appli
1109	15	0.5	15	1	US-08-832-021-18	Sequence 18, Appl
c1110	15	0.5	15	1	US-08-832-021-21	Sequence 21, Appl
1111	15	0.5	15	1	US-09-183-619-4	Sequence 4, Appli
c1112	15	0.5	15	1	US-09-183-619-4	Sequence 4, Appli
1113	15	0.5	15	1	US-09-071-845-361	Sequence 361, App
c1114	15	0.5	15	1	US-09-071-845-361	Sequence 361, App
1115	15	0.5	15	1	US-09-071-845-362	Sequence 362, App
c1116	15	0.5	15	1	US-09-071-845-362	Sequence 362, App
c1117	15	0.5	15	1	US-09-071-845-363	Sequence 363, App
c1118	15	0.5	15	1	US-09-071-845-364	Sequence 364, App
1119	15	0.5	15	1	US-09-167-375-1	Sequence 1, Appli
c1120	15	0.5	15	1	US-09-167-375-1	Sequence 1, Appli
1121	15	0.5	15	1	US-08-150-156A-19	Sequence 19, Appl
c1122	15	0.5	15	1	US-08-150-156A-19	Sequence 19, Appl
1123	15	0.5	15	1	US-08-150-156A-20	Sequence 20, Appl
c1124	15	0.5	15	1	US-08-150-156A-20	Sequence 20, Appl
1125	15	0.5	15	1	US-08-108-591B-17	Sequence 17, Appl
c1126	15	0.5	15	1	US-08-108-591B-17	Sequence 17, Appl
1127	15	0.5	15	1	US-08-108-591B-18	Sequence 18, Appl
c1128	15	0.5	15	1	US-08-108-591B-18	Sequence 18, Appl

1129	15	0.5	15	1	US-09-619-103-21	Sequence 21, Appl
c1130	15	0.5	15	1	US-09-619-103-21	Sequence 21, Appl
1131	15	0.5	15	1	US-09-300-958A-68	Sequence 68, Appl
c1132	15	0.5	15	1	US-09-300-958A-68	Sequence 68, Appl
1133	15	0.5	15	1	US-08-988-024C-9	Sequence 9, Appli
c1134	15	0.5	15	1	US-08-988-024C-9	Sequence 9, Appli
1135	15	0.5	15	1	US-09-435-739-5	Sequence 5, Appli
c1136	15	0.5	15	1	US-09-435-739-5	Sequence 5, Appli
1137	15	0.5	15	1	US-10-091-231-2	Sequence 2, Appli
c1138	15	0.5	15	1	US-10-091-231-2	Sequence 2, Appli
1139	15	0.5	15	1	US-09-930-218-5	Sequence 5, Appli
c1140	15	0.5	15	1	US-09-930-218-5	Sequence 5, Appli
1141	15	0.5	16	1	US-08-087-387-6	Sequence 6, Appli
1142	15	0.5	16	1	US-08-455-627-6	Sequence 6, Appli
1143	15	0.5	16	1	US-08-461-271-6	Sequence 6, Appli
1144	15	0.5	16	1	US-08-713-685A-6	Sequence 6, Appli
1145	15	0.5	16	1	US-08-689-856-6	Sequence 6, Appli
1146	15	0.5	16	1	US-09-070-477-6	Sequence 6, Appli
1147	15	0.5	16	1	US-09-507-345A-3	Sequence 3, Appli
c1148	15	0.5	16	1	US-09-507-345A-3	Sequence 3, Appli
1149	15	0.5	16	1	US-09-507-345A-4	Sequence 4, Appli
c1150	15	0.5	16	1	US-09-507-345A-4	Sequence 4, Appli
1151	15	0.5	16	1	US-09-507-345A-5	Sequence 5, Appli
c1152	15	0.5	16	1	US-09-507-345A-5	Sequence 5, Appli
1153	15	0.5	16	1	US-09-507-345A-6	Sequence 6, Appli
c1154	15	0.5	16	1	US-09-507-345A-6	Sequence 6, Appli
1155	15	0.5	16	1	US-09-507-345A-7	Sequence 7, Appli
c1156	15	0.5	16	1	US-09-507-345A-7	Sequence 7, Appli
1157	15	0.5	16	1	US-09-507-345A-8	Sequence 8, Appli
c1158	15	0.5	16	1	US-09-507-345A-8	Sequence 8, Appli
1159	15	0.5	16	1	US-09-411-628-1	Sequence 1, Appli
1160	15	0.5	16	1	US-08-894-251A-7	Sequence 7, Appli
1161	15	0.5	16	1	US-09-739-928-3	Sequence 3, Appli
c1162	15	0.5	16	1	US-09-739-928-3	Sequence 3, Appli
1163	15	0.5	16	1	US-09-739-928-4	Sequence 4, Appli
c1164	15	0.5	16	1	US-09-739-928-4	Sequence 4, Appli
1165	15	0.5	16	1	US-09-739-928-5	Sequence 5, Appli
c1166	15	0.5	16	1	US-09-739-928-5	Sequence 5, Appli
1167	15	0.5	16	1	US-09-739-928-6	Sequence 6, Appli
c1168	15	0.5	16	1	US-09-739-928-6	Sequence 6, Appli
1169	15	0.5	16	1	US-09-739-928-7	Sequence 7, Appli
c1170	15	0.5	16	1	US-09-739-928-7	Sequence 7, Appli
1171	15	0.5	16	1	US-09-739-928-8	Sequence 8, Appli
c1172	15	0.5	16	1	US-09-739-928-8	Sequence 8, Appli
1173	15	0.5	16	1	US-09-300-958A-57	Sequence 57, Appl
1174	15	0.5	16	1	US-09-300-958A-58	Sequence 58, Appl
1175	15	0.5	16	1	US-09-300-958A-84	Sequence 84, Appl
1176	15	0.5	16	1	US-09-300-958A-85	Sequence 85, Appl
1177	15	0.5	16	1	US-09-527-972-16	Sequence 16, Appl
1178	15	0.5	16	1	US-09-527-972-17	Sequence 17, Appl
1179	15	0.5	16	1	US-10-174-794-1	Sequence 1, Appli
c1180	15	0.5	17	1	US-08-584-040-2549	Sequence 2549, Ap
1181	15	0.5	17	1	US-08-584-040-2552	Sequence 2552, Ap
1182	15	0.5	17	1	US-09-475-947A-118	Sequence 118, App
c1183	15	0.5	17	1	US-09-300-958A-63	Sequence 63, Appl
c1184	15	0.5	17	1	US-09-371-772B-1073	Sequence 1073, Ap
1185	15	0.5	17	1	US-09-371-772B-1076	Sequence 1076, Ap
1186	15	0.5	17	1	US-08-937-067-17	Sequence 17, Appl
1187	15	0.5	17	1	US-08-584-040-2185	Sequence 2185, Ap
1188	15	0.5	17	1	US-08-584-040-2186	Sequence 2186, Ap
1189	15	0.5	17	1	US-08-584-040-2187	Sequence 2187, Ap
1190	15	0.5	17	1	US-09-788-338-3	Sequence 3, Appli
c1191	15	0.5	17	1	US-09-788-338-3	Sequence 3, Appli
1192	15	0.5	17	1	US-09-300-958A-64	Sequence 64, Appl
c1193	15	0.5	17	1	US-09-300-958A-64	Sequence 64, Appl
1194	15	0.5	17	1	US-09-371-772B-730	Sequence 730, App
1195	15	0.5	17	1	US-09-371-772B-731	Sequence 731, App
1196	15	0.5	17	1	US-09-371-772B-732	Sequence 732, App
c1197	15	0.5	18	1	US-09-437-076-1	Sequence 1, Appli
1198	15	0.5	18	1	US-09-437-076-2	Sequence 2, Appli
c1199	15	0.5	18	1	US-09-437-076-2	Sequence 2, Appli
c1200	15	0.5	18	1	US-09-616-761-6	Sequence 6, Appli
1201	15	0.5	18	1	US-09-422-978-5483	Sequence 5483, Ap
c1202	15	0.5	18	1	US-09-823-634A-6	Sequence 6, Appli
c1203	15	0.5	18	1	US-09-823-647B-6	Sequence 6, Appli
1204	15	0.5	19	1	US-09-349-035-2	Sequence 2, Appli
c1205	15	0.5	19	1	US-09-349-035-2	Sequence 2, Appli
1206	15	0.5	20	1	US-08-715-461-5	Sequence 5, Appli
c1207	15	0.5	20	1	US-08-371-121-19	Sequence 19, Appl
c1208	15	0.5	20	1	US-07-927-391-20	Sequence 20, Appl
c1209	15	0.5	20	1	US-08-858-876A-6	Sequence 6, Appli
1210	15	0.5	20	1	US-09-228-942-7	Sequence 7, Appli
c1211	15	0.5	20	1	US-09-228-942-7	Sequence 7, Appli
c1212	15	0.5	20	1	US-09-472-880-6	Sequence 6, Appli
1213	15	0.5	22	1	US-08-235-180-19	Sequence 19, Appl
1214	15	0.5	22	1	US-08-235-180-20	Sequence 20, Appl
1215	15	0.5	22	1	US-08-235-180-21	Sequence 21, Appl
1216	15	0.5	22	1	US-08-235-180-22	Sequence 22, Appl
1217	15	0.5	22	1	US-08-235-180-23	Sequence 23, Appl
1218	15	0.5	22	1	US-08-235-180-24	Sequence 24, Appl
1219	15	0.5	22	1	US-08-235-180-29	Sequence 29, Appl
1220	15	0.5	22	1	US-08-235-180-30	Sequence 30, Appl
1221	15	0.5	22	1	US-08-332-420-1	Sequence 1, Appli
1222	15	0.5	22	1	US-08-332-420-2	Sequence 2, Appli
1223	15	0.5	22	1	US-08-332-420-3	Sequence 3, Appli
1224	15	0.5	22	1	US-08-332-420-4	Sequence 4, Appli
1225	15	0.5	22	1	US-08-332-420-5	Sequence 5, Appli
1226	15	0.5	22	1	US-08-332-420-6	Sequence 6, Appli
1227	15	0.5	22	1	US-08-332-420-11	Sequence 11, Appl
1228	15	0.5	22	1	US-08-332-420-12	Sequence 12, Appl
1229	15	0.5	22	1	US-08-499-899-1	Sequence 1, Appli
1230	15	0.5	22	1	US-08-974-180-1	Sequence 1, Appli
1231	15	0.5	22	1	US-08-964-143-1	Sequence 1, Appli
1232	15	0.5	22	1	US-09-199-865-3	Sequence 3, Appli
c1233	15	0.5	23	1	US-07-722-798A-55	Sequence 55, Appl
c1234	15	0.5	23	1	US-09-429-499-3	Sequence 3, Appli
1235	15	0.5	23	1	US-09-557-170A-10	Sequence 10, Appl
1236	15	0.5	23	1	US-09-750-401-20	Sequence 20, Appl
c1237	15	0.5	25	1	US-08-379-280-1	Sequence 1, Appli
1238	15	0.5	25	1	US-09-159-496-2	Sequence 2, Appli
c1239	15	0.5	26	1	US-07-885-970A-1	Sequence 1, Appli
c1240	15	0.5	26	1	US-08-298-687A-1	Sequence 1, Appli
c1241	15	0.5	26	1	US-08-241-943-1	Sequence 1, Appli
c1242	15	0.5	26	1	US-08-378-588-1	Sequence 1, Appli
c1243	15	0.5	26	1	US-08-298-829-1	Sequence 1, Appli
c1244	15	0.5	26	1	US-08-811-094-1	Sequence 1, Appli
c1245	15	0.5	26	1	US-08-467-504-10	Sequence 10, Appl
c1246	15	0.5	26	1	PCT-US94-11121-1	Sequence 1, Appli
c1247	15	0.5	30	1	US-08-296-793-2	Sequence 2, Appli
c1248	14.8	0.5	18	1	US-07-874-334-14	Sequence 14, Appl
c1249	14.8	0.5	18	1	US-09-205-860-10	Sequence 10, Appl
c1250	14.8	0.5	18	1	US-09-205-995-25	Sequence 25, Appl
c1251	14.8	0.5	18	1	US-09-167-109-8	Sequence 8, Appli
1252	14.8	0.5	18	1	US-08-275-951-32	Sequence 32, Appl
c1253	14.8	0.5	18	1	US-08-275-951-32	Sequence 32, Appl
1254	14.8	0.5	18	1	US-08-275-951-33	Sequence 33, Appl
c1255	14.8	0.5	18	1	US-08-275-951-33	Sequence 33, Appl
c1256	14.8	0.5	19	1	US-09-109-663-35	Sequence 35, Appl
1257	14.8	0.5	19	1	US-08-860-038-6	Sequence 6, Appli
c1258	14.8	0.5	19	1	US-08-945-140-3	Sequence 3, Appli
1259	14.8	0.5	19	1	US-09-580-923-6	Sequence 6, Appli
1260	14.8	0.5	19	1	US-09-649-747A-75	Sequence 75, Appl
1261	14.8	0.5	19	1	US-09-893-191B-18	Sequence 18, Appl
1262	14.8	0.5	20	1	US-08-108-591B-5	Sequence 5, Appli
c1263	14.8	0.5	20	1	US-09-344-914-86	Sequence 86, Appl
c1264	14.8	0.5	20	1	US-07-874-334-13	Sequence 13, Appl
1265	14.8	0.5	20	1	US-07-929-204-3	Sequence 3, Appli
1266	14.8	0.5	20	1	US-08-182-172-5	Sequence 5, Appli
c1267	14.8	0.5	20	1	US-08-440-787A-163	Sequence 163, App
c1268	14.8	0.5	20	1	US-09-344-914-84	Sequence 84, Appl
1269	14.8	0.5	20	1	US-09-344-914-85	Sequence 85, Appl
c1270	14.8	0.5	20	1	US-09-344-914-85	Sequence 85, Appl
1271	14.8	0.5	20	1	US-08-817-384A-2	Sequence 2, Appli
1272	14.8	0.5	20	1	US-09-560-594-56	Sequence 56, Appl
1273	14.8	0.5	20	1	US-09-484-617-58	Sequence 58, Appl
1274	14.8	0.5	20	1	US-09-721-822A-78	Sequence 78, Appl

c1275	14.8	0.5	20	1	US-09-564-805-158	Sequence 158, App
c1276	14.8	0.5	20	1	US-09-564-805-162	Sequence 162, App
1277	14.8	0.5	20	1	US-09-506-073-80	Sequence 80, Appl
c1278	14.8	0.5	20	1	US-09-463-067-3	Sequence 3, Appli
1279	14.8	0.5	20	1	US-08-275-951-48	Sequence 48, Appl
c1280	14.8	0.5	20	1	US-09-898-361-120	Sequence 120, App
c1281	14.8	0.5	20	1	US-09-641-652-9	Sequence 9, Appli
c1282	14.8	0.5	20	1	US-09-495-714C-15	Sequence 15, Appl
c1283	14.8	0.5	21	1	US-08-343-443B-109	Sequence 109, App
1284	14.8	0.5	21	1	5256775-1	Patent No. 5256775
1285	14.8	0.5	22	1	US-09-071-353-10	Sequence 10, Appl
1286	14.8	0.5	22	1	US-09-426-326-10	Sequence 10, Appl
c1287	14.8	0.5	22	1	US-09-688-990-19	Sequence 19, Appl
c1288	14.8	0.5	27	1	US-09-750-401-28	Sequence 28, Appl
1289	14.6	0.5	21	1	US-08-128-011-4	Sequence 4, Appli
1290	14.6	0.5	21	1	US-08-403-888A-142	Sequence 142, App
1291	14.6	0.5	21	1	US-08-555-568B-24	Sequence 24, Appl
1292	14.6	0.5	21	1	US-09-519-223-24	Sequence 24, Appl
1293	14.6	0.5	21	1	US-07-974-409C-346	Sequence 346, App
c1294	14.6	0.5	21	1	US-09-428-236-16	Sequence 16, Appl
c1295	14.6	0.5	21	1	US-09-422-978-9217	Sequence 9217, Ap
1296	14.6	0.5	21	1	US-09-927-180-24	Sequence 24, Appl
c1297	14.6	0.5	22	1	US-07-988-430-60	Sequence 60, Appl
1298	14.6	0.5	22	1	US-08-118-441-16	Sequence 16, Appl
c1299	14.6	0.5	22	1	US-08-425-336-58	Sequence 58, Appl
c1300	14.6	0.5	22	1	US-08-488-113B-58	Sequence 58, Appl
c1301	14.6	0.5	22	1	US-08-477-484B-58	Sequence 58, Appl
c1302	14.6	0.5	22	1	US-08-646-360-58	Sequence 58, Appl
1303	14.6	0.5	22	1	US-08-173-489C-65	Sequence 65, Appl
c1304	14.6	0.5	22	1	US-08-452-075-6	Sequence 6, Appli
1305	14.6	0.5	22	1	US-08-338-579A-16	Sequence 16, Appl
c1306	14.6	0.5	22	1	US-08-839-765-58	Sequence 58, Appl
c1307	14.6	0.5	22	1	US-09-136-389-58	Sequence 58, Appl
c1308	14.6	0.5	22	1	US-09-231-061-5	Sequence 5, Appli
c1309	14.6	0.5	22	1	US-09-011-762-10	Sequence 10, Appl
c1310	14.6	0.5	22	1	US-09-610-838-58	Sequence 58, Appl
1311	14.6	0.5	22	1	US-09-459-133-4	Sequence 4, Appli
1312	14.6	0.5	22	1	US-09-474-432B-1484	Sequence 1484, Ap
c1313	14.6	0.5	22	1	US-09-327-138C-24	Sequence 24, Appl
1314	14.6	0.5	22	1	US-09-476-387-1483	Sequence 1483, Ap
1315	14.6	0.5	22	1	US-09-750-401-17	Sequence 17, Appl
1316	14.6	0.5	22	1	US-09-750-401-19	Sequence 19, Appl
c1317	14.6	0.5	22	1	US-09-711-485-58	Sequence 58, Appl
1318	14.6	0.5	22	1	US-09-530-139-70	Sequence 70, Appl
c1319	14.6	0.5	22	1	PCT-US92-09487-60	Sequence 60, Appl
1320	14.6	0.5	22	1	PCT-US94-09851-16	Sequence 16, Appl
1321	14.4	0.5	16	1	US-08-753-147-140	Sequence 140, App
c1322	14.4	0.5	17	1	US-08-173-489C-43	Sequence 43, Appl
1323	14.4	0.5	17	1	US-08-173-489C-44	Sequence 44, Appl
c1324	14.4	0.5	17	1	US-08-985-162-412	Sequence 412, App
1325	14.4	0.5	17	1	US-08-584-040-2545	Sequence 2545, Ap
c1326	14.4	0.5	17	1	US-08-584-040-2555	Sequence 2555, Ap
1327	14.4	0.5	17	1	US-08-584-040-3980	Sequence 3980, Ap
1328	14.4	0.5	17	1	US-09-474-432B-473	Sequence 473, App
1329	14.4	0.5	17	1	US-09-371-772B-1069	Sequence 1069, Ap
c1330	14.4	0.5	17	1	US-09-371-772B-1079	Sequence 1079, Ap
1331	14.4	0.5	17	1	US-09-371-772B-1747	Sequence 1747, Ap
1332	14.4	0.5	17	1	US-09-371-772B-5625	Sequence 5625, Ap
1333	14.4	0.5	17	1	US-09-476-387-472	Sequence 472, App
c1334	14.4	0.5	17	1	US-09-401-063-412	Sequence 412, App
1335	14.4	0.5	17	1	US-09-827-998-655	Sequence 655, App
1336	14.4	0.5	17	1	US-09-827-998-656	Sequence 656, App
1337	14.4	0.5	17	1	US-09-827-998-1721	Sequence 1721, Ap
1338	14.4	0.5	17	1	US-09-827-998-1722	Sequence 1722, Ap
1339	14.4	0.5	18	1	US-07-874-334-12	Sequence 12, Appl
c1340	14.4	0.5	18	1	US-09-106-038A-23	Sequence 23, Appl
c1341	14.4	0.5	18	1	US-08-679-645-1165	Sequence 1165, Ap
1342	14.4	0.5	18	1	US-09-725-265-43	Sequence 43, Appl
c1343	14.4	0.5	18	1	US-09-725-265-47	Sequence 47, Appl
c1344	14.4	0.5	18	1	US-09-920-760-19	Sequence 19, Appl
1345	14.4	0.5	18	1	PCT-US93-12603-12	Sequence 12, Appl
c1346	14.4	0.5	19	1	US-08-075-193-14	Sequence 14, Appl
c1347	14.4	0.5	19	1	US-08-564-090A-14	Sequence 14, Appl
c1348	14.4	0.5	19	1	PCT-US94-06698-14	Sequence 14, Appl
c1349	14.4	0.5	20	1	US-08-904-901-158	Sequence 158, App
c1350	14.4	0.5	20	1	US-09-249-730-158	Sequence 158, App
c1351	14.4	0.5	20	1	US-09-249-247-158	Sequence 158, App
c1352	14.4	0.5	20	1	US-08-275-951-48	Sequence 48, Appl
1353	14.4	0.5	20	1	US-08-077-939-10	Sequence 10, Appl
1354	14.4	0.5	20	1	US-08-156-672-5	Sequence 5, Appli
1355	14.4	0.5	20	1	US-08-461-599-10	Sequence 10, Appl
1356	14.4	0.5	20	1	US-08-461-621-10	Sequence 10, Appl
c1357	14.4	0.5	20	1	US-08-471-601-5	Sequence 5, Appli
c1358	14.4	0.5	20	1	US-08-474-556-5	Sequence 5, Appli
1359	14.4	0.5	20	1	US-08-465-334-10	Sequence 10, Appl
c1360	14.4	0.5	20	1	US-08-351-899-5	Sequence 5, Appli
c1361	14.4	0.5	20	1	US-08-479-382-5	Sequence 5, Appli
c1362	14.4	0.5	20	1	US-08-470-354-5	Sequence 5, Appli
c1363	14.4	0.5	20	1	US-08-479-383-5	Sequence 5, Appli
1364	14.4	0.5	20	1	US-08-465-485A-28	Sequence 28, Appl
c1365	14.4	0.5	20	1	US-08-479-041-5	Sequence 5, Appli
1366	14.4	0.5	20	1	US-08-702-105A-35	Sequence 35, Appl
1367	14.4	0.5	20	1	US-08-702-110A-35	Sequence 35, Appl
1368	14.4	0.5	20	1	US-09-080-285-28	Sequence 28, Appl
1369	14.4	0.5	20	1	US-08-467-023-166	Sequence 166, App
1370	14.4	0.5	20	1	US-09-087-194-13	Sequence 13, Appl
1371	14.4	0.5	20	1	US-09-021-701-554	Sequence 554, App
1372	14.4	0.5	20	1	US-09-021-701-555	Sequence 555, App
1373	14.4	0.5	20	1	US-09-021-701-556	Sequence 556, App
1374	14.4	0.5	20	1	US-09-021-701-557	Sequence 557, App
1375	14.4	0.5	20	1	US-09-325-571-35	Sequence 35, Appl
c1376	14.4	0.5	20	1	US-09-489-868A-39	Sequence 39, Appl
c1377	14.4	0.5	20	1	US-08-819-646-5	Sequence 5, Appli
1378	14.4	0.5	20	1	US-08-473-319-5	Sequence 5, Appli
c1379	14.4	0.5	20	1	US-09-195-716-5	Sequence 5, Appli
1380	14.4	0.5	20	1	US-09-724-426-28	Sequence 28, Appl
1381	14.4	0.5	20	1	US-09-657-452A-168	Sequence 168, App
1382	14.4	0.5	20	1	US-09-676-610B-68	Sequence 68, Appl
1383	14.4	0.5	20	1	US-09-422-978-5320	Sequence 5320, Ap
1384	14.4	0.5	20	1	US-09-422-978-11508	Sequence 11508, A
1385	14.4	0.5	20	1	US-09-198-452A-2672	Sequence 2672, Ap
c1386	14.4	0.5	20	1	US-09-198-452A-2845	Sequence 2845, Ap
c1387	14.4	0.5	20	1	US-09-198-452A-4828	Sequence 4828, Ap
1388	14.4	0.5	20	1	US-09-198-452A-6111	Sequence 6111, Ap
1389	14.4	0.5	20	1	US-09-848-585-35	Sequence 35, Appl
1390	14.4	0.5	20	1	US-09-980-052-189	Sequence 189, App
c1391	14.4	0.5	21	1	US-08-588-821-46	Sequence 46, Appl
c1392	14.4	0.5	21	1	US-08-915-214-46	Sequence 46, Appl
c1393	14.4	0.5	21	1	US-09-005-532-46	Sequence 46, Appl
c1394	14.4	0.5	21	1	US-09-045-054-34	Sequence 34, Appl
c1395	14.4	0.5	21	1	US-09-586-546-6	Sequence 6, Appli
1396	14.4	0.5	21	1	US-09-294-764-1	Sequence 1, Appli
c1397	14.4	0.5	21	1	US-09-382-552-171	Sequence 171, App
c1398	14.4	0.5	22	1	US-08-117-952-287	Sequence 287, App
1399	14.2	0.5	16	1	US-08-882-649A-8	Sequence 8, Appli
c1400	14.2	0.5	19	1	US-08-222-177A-193	Sequence 193, App
1401	14.2	0.5	19	1	US-08-899-029-1	Sequence 1, Appli
c1402	14.2	0.5	19	1	US-09-345-882-102	Sequence 102, App
c1403	14.2	0.5	19	1	US-09-422-978-6228	Sequence 6228, Ap
1404	14.2	0.5	20	1	US-08-765-340-10	Sequence 10, Appl
1405	14.2	0.5	20	1	US-09-823-634A-18	Sequence 18, Appl
1406	14.2	0.5	20	1	US-09-823-647B-18	Sequence 18, Appl
1407	14.2	0.5	20	1	US-08-813-508-5	Sequence 5, Appli
c1408	14.2	0.5	20	1	US-08-889-296A-20	Sequence 20, Appl
1409	14.2	0.5	20	1	US-08-910-629A-20	Sequence 20, Appl
c1410	14.2	0.5	20	1	US-08-848-840A-20	Sequence 20, Appl
c1411	14.2	0.5	20	1	US-08-888-982A-32	Sequence 32, Appl
1412	14.2	0.5	20	1	US-08-837-201C-38	Sequence 38, Appl
c1413	14.2	0.5	20	1	US-08-914-961-2	Sequence 2, Appli
1414	14.2	0.5	20	1	US-09-289-267-101	Sequence 101, App
c1415	14.2	0.5	20	1	US-08-961-469A-28	Sequence 28, Appl
c1416	14.2	0.5	20	1	US-09-128-494-20	Sequence 20, Appl
c1417	14.2	0.5	20	1	US-09-358-685-43	Sequence 43, Appl
c1418	14.2	0.5	20	1	US-09-418-641-57	Sequence 57, Appl
1419	14.2	0.5	20	1	US-09-287-796-20	Sequence 20, Appl
1420	14.2	0.5	20	1	US-09-313-968-6	Sequence 6, Appli

c1421	14.2	0.5	20	1	US-09-359-756-31	Sequence 31, Appl
1422	14.2	0.5	20	1	US-09-407-675-2	Sequence 2, Appli
c1423	14.2	0.5	20	1	US-09-407-675-2	Sequence 2, Appli
c1424	14.2	0.5	20	1	US-09-488-671-82	Sequence 82, Appl
1425	14.2	0.5	20	1	US-09-517-584A-54	Sequence 54, Appl
1426	14.2	0.5	20	1	US-09-130-616-20	Sequence 20, Appl
1427	14.2	0.5	20	1	US-09-021-701-559	Sequence 559, App
1428	14.2	0.5	20	1	US-09-364-416-38	Sequence 38, Appl
c1429	14.2	0.5	20	1	US-09-488-856A-65	Sequence 65, Appl
c1430	14.2	0.5	20	1	US-09-248-386-20	Sequence 20, Appl
c1431	14.2	0.5	20	1	US-09-462-261-32	Sequence 32, Appl
1432	14.2	0.5	20	1	US-09-798-096-66	Sequence 66, Appl
c1433	14.2	0.5	20	1	US-09-506-073-121	Sequence 121, App
1434	14.2	0.5	20	1	US-09-780-175-19	Sequence 19, Appl
c1435	14.2	0.5	20	1	US-09-851-062-51	Sequence 51, Appl
c1436	14.2	0.5	20	1	US-09-851-062-67	Sequence 67, Appl
1437	14.2	0.5	20	1	US-09-517-467B-200	Sequence 200, App
c1438	14.2	0.5	20	1	US-09-844-525A-39	Sequence 39, Appl
c1439	14.2	0.5	20	1	US-09-725-265-34	Sequence 34, Appl
c1440	14.2	0.5	20	1	US-09-725-265-36	Sequence 36, Appl
1441	14.2	0.5	20	1	US-08-492-723-11	Sequence 11, Appl
c1442	14.2	0.5	20	1	US-09-422-978-5201	Sequence 5201, Ap
1443	14.2	0.5	20	1	US-09-422-978-6254	Sequence 6254, Ap
1444	14.2	0.5	20	1	US-09-422-978-10598	Sequence 10598, A
1445	14.2	0.5	20	1	US-09-593-359-15	Sequence 15, Appl
1446	14.2	0.5	20	1	US-09-198-452A-1737	Sequence 1737, Ap
c1447	14.2	0.5	20	1	US-09-198-452A-5020	Sequence 5020, Ap
c1448	14.2	0.5	20	1	US-09-733-444-16	Sequence 16, Appl
c1449	14.2	0.5	21	1	US-08-173-489C-118	Sequence 118, App
c1450	14.2	0.5	21	1	US-08-053-867A-18	Sequence 18, Appl
1451	14.2	0.5	21	1	US-08-076-090-3	Sequence 3, Appli
c1452	14.2	0.5	21	1	US-08-076-090-3	Sequence 3, Appli
1453	14.2	0.5	21	1	US-08-173-489C-116	Sequence 116, App
1454	14.2	0.5	21	1	US-08-173-489C-117	Sequence 117, App
c1455	14.2	0.5	21	1	US-08-173-489C-117	Sequence 117, App
c1456	14.2	0.5	21	1	US-09-009-913-40	Sequence 40, Appl
c1457	14.2	0.5	21	1	US-09-009-913-119	Sequence 119, App
c1458	14.2	0.5	21	1	US-09-338-907-409	Sequence 409, App
c1459	14.2	0.5	21	1	US-09-218-207-409	Sequence 409, App
c1460	14.2	0.5	21	1	US-08-649-950-18	Sequence 18, Appl
1461	14.2	0.5	21	1	US-09-267-311-7	Sequence 7, Appli
1462	14.2	0.5	21	1	US-09-328-174A-94	Sequence 94, Appl
1463	14.2	0.5	21	1	US-09-165-868-8	Sequence 8, Appli
c1464	14.2	0.5	21	1	US-09-422-978-3979	Sequence 3979, Ap
c1465	14.2	0.5	21	1	US-09-422-978-8246	Sequence 8246, Ap
1466	14.2	0.5	21	1	US-09-422-978-10341	Sequence 10341, A
1467	14.2	0.5	21	1	US-09-647-344A-32	Sequence 32, Appl
c1468	14.2	0.5	21	1	US-09-434-840-20	Sequence 20, Appl
c1469	14.2	0.5	21	1	US-09-409-604-10	Sequence 10, Appl
1470	14.2	0.5	21	1	US-09-688-188B-56	Sequence 56, Appl
1471	14.2	0.5	21	1	US-09-291-417D-56	Sequence 56, Appl
1472	14.2	0.5	21	1	PCT-US94-06661-3	Sequence 3, Appli
c1473	14.2	0.5	21	1	PCT-US94-06661-3	Sequence 3, Appli
1474	14.2	0.5	21	1	PCT-US96-09430-9	Sequence 9, Appli
c1475	14.2	0.5	21	1	PCT-US96-09430-9	Sequence 9, Appli
1476	14.2	0.5	21	1	PCT-US96-09430-13	Sequence 13, Appl
c1477	14.2	0.5	22	1	US-08-235-180-29	Sequence 29, Appl
c1478	14.2	0.5	22	1	US-08-332-420-11	Sequence 11, Appl
c1479	14.2	0.5	22	1	US-09-750-401-17	Sequence 17, Appl
c1480	14.2	0.5	22	1	US-09-750-401-19	Sequence 19, Appl
1481	14	0.5	14	1	US-08-173-489C-75	Sequence 75, Appl
c1482	14	0.5	14	1	US-08-173-489C-75	Sequence 75, Appl
1483	14	0.5	14	1	US-08-173-489C-76	Sequence 76, Appl
c1484	14	0.5	14	1	US-08-173-489C-76	Sequence 76, Appl
1485	14	0.5	14	1	US-08-832-021-5	Sequence 5, Appli
c1486	14	0.5	14	1	US-08-832-021-9	Sequence 9, Appli
1487	14	0.5	14	1	US-08-724-466B-17	Sequence 17, Appl
c1488	14	0.5	14	1	US-08-724-466B-21	Sequence 21, Appl
1489	14	0.5	14	1	US-08-882-164D-17	Sequence 17, Appl
c1490	14	0.5	14	1	US-08-882-164D-21	Sequence 21, Appl
1491	14	0.5	14	1	US-09-462-569B-1	Sequence 1, Appli
c1492	14	0.5	14	1	US-09-462-569B-1	Sequence 1, Appli
1493	14	0.5	14	1	US-09-619-103-20	Sequence 20, Appl
c1494	14	0.5	14	1	US-09-619-103-20	Sequence 20, Appl
c1495	14	0.5	14	1	US-09-475-947A-94	Sequence 94, Appl
1496	14	0.5	14	1	5453496-4	Patent No. 5453496
c1497	14	0.5	14	1	5453496-4	Patent No. 5453496
1498	14	0.5	14	1	5453496-5	Patent No. 5453496
c1499	14	0.5	14	1	5453496-5	Patent No. 5453496
1500	14	0.5	15	1	US-08-292-620A-363	Sequence 363, App
1501	14	0.5	15	1	US-09-071-845-363	Sequence 363, App
c1502	14	0.5	15	1	US-08-087-387-5	Sequence 5, Appli
c1503	14	0.5	15	1	US-08-455-627-5	Sequence 5, Appli
1504	14	0.5	15	1	US-08-452-196A-3	Sequence 3, Appli
c1505	14	0.5	15	1	US-08-452-196A-3	Sequence 3, Appli
1506	14	0.5	15	1	US-08-452-196A-4	Sequence 4, Appli
c1507	14	0.5	15	1	US-08-452-196A-4	Sequence 4, Appli
c1508	14	0.5	15	1	US-08-461-271-5	Sequence 5, Appli
c1509	14	0.5	15	1	US-08-713-685A-5	Sequence 5, Appli
c1510	14	0.5	15	1	US-08-689-856-5	Sequence 5, Appli
1511	14	0.5	15	1	US-08-292-620A-360	Sequence 360, App
c1512	14	0.5	15	1	US-08-292-620A-360	Sequence 360, App
c1513	14	0.5	15	1	US-08-292-620A-365	Sequence 365, App
c1514	14	0.5	15	1	US-08-863-639A-8	Sequence 8, Appli
c1515	14	0.5	15	1	US-08-893-204C-2	Sequence 2, Appli
1516	14	0.5	15	1	US-08-832-021-17	Sequence 17, Appl
1517	14	0.5	15	1	US-08-832-021-19	Sequence 19, Appl
1518	14	0.5	15	1	US-08-832-021-20	Sequence 20, Appl
c1519	14	0.5	15	1	US-08-832-021-22	Sequence 22, Appl
c1520	14	0.5	15	1	US-08-832-021-23	Sequence 23, Appl
c1521	14	0.5	15	1	US-08-832-021-24	Sequence 24, Appl
1522	14	0.5	15	1	US-08-832-021-25	Sequence 25, Appl
c1523	14	0.5	15	1	US-09-070-477-5	Sequence 5, Appli
1524	14	0.5	15	1	US-09-071-845-360	Sequence 360, App
c1525	14	0.5	15	1	US-09-071-845-360	Sequence 360, App
c1526	14	0.5	15	1	US-09-071-845-365	Sequence 365, App
c1527	14	0.5	15	1	US-08-787-321-5	Sequence 5, Appli
1528	14	0.5	15	1	US-09-475-947A-158	Sequence 158, App
c1529	14	0.5	15	1	US-09-475-947A-158	Sequence 158, App
c1530	14	0.5	16	1	US-08-087-387-6	Sequence 6, Appli
c1531	14	0.5	16	1	US-08-455-627-6	Sequence 6, Appli
c1532	14	0.5	16	1	US-08-461-271-6	Sequence 6, Appli
c1533	14	0.5	16	1	US-08-713-685A-6	Sequence 6, Appli
c1534	14	0.5	16	1	US-08-689-856-6	Sequence 6, Appli
c1535	14	0.5	16	1	US-09-070-477-6	Sequence 6, Appli
c1536	14	0.5	16	1	US-08-882-649A-8	Sequence 8, Appli
1537	14	0.5	16	1	US-09-404-296B-17	Sequence 17, Appl
c1538	14	0.5	17	1	US-08-584-040-2548	Sequence 2548, Ap
1539	14	0.5	17	1	US-08-584-040-2553	Sequence 2553, Ap
c1540	14	0.5	17	1	US-09-371-772B-1072	Sequence 1072, Ap
1541	14	0.5	17	1	US-09-371-772B-1077	Sequence 1077, Ap
1542	14	0.5	17	1	US-08-584-040-2184	Sequence 2184, Ap
1543	14	0.5	17	1	US-08-584-040-2188	Sequence 2188, Ap
1544	14	0.5	17	1	US-08-584-040-2866	Sequence 2866, Ap
1545	14	0.5	17	1	US-08-584-040-2867	Sequence 2867, Ap
1546	14	0.5	17	1	US-09-371-772B-729	Sequence 729, App
1547	14	0.5	17	1	US-09-371-772B-733	Sequence 733, App
1548	14	0.5	17	1	US-09-371-772B-1390	Sequence 1390, Ap
1549	14	0.5	17	1	US-09-371-772B-1391	Sequence 1391, Ap
1550	14	0.5	17	1	US-09-827-998-1723	Sequence 1723, Ap
1551	14	0.5	17	1	US-09-827-998-1724	Sequence 1724, Ap
1552	14	0.5	18	1	US-09-725-265-44	Sequence 44, Appl
1553	14	0.5	18	1	US-09-422-978-4929	Sequence 4929, Ap
c1554	14	0.5	19	1	US-09-328-174A-28	Sequence 28, Appl
1555	14	0.5	20	1	US-08-715-461-3	Sequence 3, Appli
1556	14	0.5	20	1	US-08-715-461-4	Sequence 4, Appli
1557	14	0.5	20	1	US-07-994-133-17	Sequence 17, Appl
1558	14	0.5	20	1	US-08-088-658-33	Sequence 33, Appl
1559	14	0.5	20	1	US-08-471-907A-33	Sequence 33, Appl
1560	14	0.5	20	1	US-09-487-368A-32	Sequence 32, Appl
c1561	14	0.5	20	1	US-09-484-617-130	Sequence 130, App
1562	14	0.5	20	1	US-09-629-644A-32	Sequence 32, Appl
1563	13.8	0.5	17	1	US-08-584-040-2554	Sequence 2554, Ap
1564	13.8	0.5	17	1	US-09-371-772B-1078	Sequence 1078, Ap
c1565	13.8	0.5	17	1	US-07-976-103A-41	Sequence 41, Appl
1566	13.8	0.5	17	1	US-08-554-612C-33	Sequence 33, Appl

c1567	13.8	0.5	17	1	US-08-473-481-41	Sequence 41, Appl
1568	13.8	0.5	17	1	US-08-985-162-662	Sequence 662, App
1569	13.8	0.5	17	1	US-08-534-220-4	Sequence 4, Appli
1570	13.8	0.5	17	1	US-09-050-159-64	Sequence 64, Appl
1571	13.8	0.5	17	1	US-08-584-040-2544	Sequence 2544, Ap
c1572	13.8	0.5	17	1	US-08-584-040-2556	Sequence 2556, Ap
c1573	13.8	0.5	17	1	US-08-584-040-2557	Sequence 2557, Ap
1574	13.8	0.5	17	1	US-08-584-040-4298	Sequence 4298, Ap
1575	13.8	0.5	17	1	US-08-584-040-4299	Sequence 4299, Ap
1576	13.8	0.5	17	1	US-08-584-040-5858	Sequence 5858, Ap
1577	13.8	0.5	17	1	US-08-584-040-5859	Sequence 5859, Ap
1578	13.8	0.5	17	1	US-08-584-040-7818	Sequence 7818, Ap
c1579	13.8	0.5	17	1	US-08-584-040-7818	Sequence 7818, Ap
1580	13.8	0.5	17	1	US-08-584-040-7819	Sequence 7819, Ap
c1581	13.8	0.5	17	1	US-08-584-040-7819	Sequence 7819, Ap
c1582	13.8	0.5	17	1	US-08-599-738A-41	Sequence 41, Appl
1583	13.8	0.5	17	1	US-09-474-432B-558	Sequence 558, App
1584	13.8	0.5	17	1	US-09-474-432B-559	Sequence 559, App
1585	13.8	0.5	17	1	US-09-371-772B-1068	Sequence 1068, Ap
c1586	13.8	0.5	17	1	US-09-371-772B-1080	Sequence 1080, Ap
c1587	13.8	0.5	17	1	US-09-371-772B-1081	Sequence 1081, Ap
1588	13.8	0.5	17	1	US-09-371-772B-2065	Sequence 2065, Ap
1589	13.8	0.5	17	1	US-09-371-772B-2066	Sequence 2066, Ap
1590	13.8	0.5	17	1	US-09-371-772B-3602	Sequence 3602, Ap
c1591	13.8	0.5	17	1	US-09-371-772B-3602	Sequence 3602, Ap
1592	13.8	0.5	17	1	US-09-371-772B-3603	Sequence 3603, Ap
c1593	13.8	0.5	17	1	US-09-371-772B-3603	Sequence 3603, Ap
1594	13.8	0.5	17	1	US-09-371-772B-5435	Sequence 5435, Ap
1595	13.8	0.5	17	1	US-09-371-772B-6328	Sequence 6328, Ap
1596	13.8	0.5	17	1	US-09-476-387-557	Sequence 557, App
1597	13.8	0.5	17	1	US-09-476-387-558	Sequence 558, App
1598	13.8	0.5	17	1	US-09-401-063-662	Sequence 662, App
c1599	13.8	0.5	17	1	US-09-827-998-212	Sequence 212, App
1600	13.8	0.5	17	1	US-09-827-998-483	Sequence 483, App
1601	13.8	0.5	17	1	US-09-827-998-484	Sequence 484, App
c1602	13.8	0.5	17	1	US-09-827-998-484	Sequence 484, App
1603	13.8	0.5	17	1	US-09-827-998-1717	Sequence 1717, Ap
1604	13.8	0.5	17	1	US-09-827-998-1718	Sequence 1718, Ap
1605	13.8	0.5	17	1	US-09-827-998-1719	Sequence 1719, Ap
1606	13.8	0.5	17	1	US-09-827-998-1720	Sequence 1720, Ap
c1607	13.8	0.5	17	1	US-09-866-108A-1346	Sequence 1346, Ap
c1608	13.8	0.5	17	1	US-09-866-108A-2062	Sequence 2062, Ap
1609	13.8	0.5	17	1	US-09-866-108A-2670	Sequence 2670, Ap
1610	13.8	0.5	17	1	US-09-866-108A-2671	Sequence 2671, Ap
1611	13.8	0.5	17	1	US-09-866-108A-5938	Sequence 5938, Ap
1612	13.8	0.5	17	1	US-09-866-108A-5939	Sequence 5939, Ap
c1613	13.8	0.5	17	1	US-09-866-108A-7642	Sequence 7642, Ap
c1614	13.8	0.5	17	1	US-09-866-108A-7643	Sequence 7643, Ap
1615	13.8	0.5	17	1	US-09-866-108A-7697	Sequence 7697, Ap
1616	13.8	0.5	17	1	US-09-866-108A-9304	Sequence 9304, Ap
1617	13.8	0.5	17	1	US-09-866-108A-9305	Sequence 9305, Ap
1618	13.8	0.5	17	1	US-09-866-108A-10658	Sequence 10658, A
1619	13.8	0.5	17	1	US-09-866-108A-10659	Sequence 10659, A
1620	13.8	0.5	18	1	US-08-271-942A-92	Sequence 92, Appl
c1621	13.8	0.5	18	1	US-08-583-435-2	Sequence 2, Appli
c1622	13.8	0.5	18	1	US-08-583-435-5	Sequence 5, Appli
c1623	13.8	0.5	18	1	US-08-583-435-7	Sequence 7, Appli
c1624	13.8	0.5	18	1	US-08-488-212A-51	Sequence 51, Appl
1625	13.8	0.5	18	1	US-08-487-046-5	Sequence 5, Appli
c1626	13.8	0.5	18	1	US-08-487-046-6	Sequence 6, Appli
1627	13.8	0.5	18	1	US-08-483-522-5	Sequence 5, Appli
c1628	13.8	0.5	18	1	US-08-483-522-6	Sequence 6, Appli
c1629	13.8	0.5	18	1	US-08-384-324-2	Sequence 2, Appli
1630	13.8	0.5	18	1	US-08-384-324-4	Sequence 4, Appli
c1631	13.8	0.5	18	1	US-08-320-306-51	Sequence 51, Appl
c1632	13.8	0.5	18	1	US-08-488-209B-51	Sequence 51, Appl
c1633	13.8	0.5	18	1	US-08-408-011-51	Sequence 51, Appl
1634	13.8	0.5	18	1	US-09-161-015-21	Sequence 21, Appl
1635	13.8	0.5	18	1	US-08-857-946-8	Sequence 8, Appli
1636	13.8	0.5	18	1	US-08-696-497B-14	Sequence 14, Appl
1637	13.8	0.5	18	1	US-08-970-740-8	Sequence 8, Appli
1638	13.8	0.5	18	1	US-08-779-916A-92	Sequence 92, Appl
c1639	13.8	0.5	18	1	US-09-143-212-10	Sequence 10, Appl
1640	13.8	0.5	18	1	US-09-143-212-45	Sequence 45, Appl
c1641	13.8	0.5	18	1	US-08-584-040-4458	Sequence 4458, Ap
1642	13.8	0.5	18	1	US-09-686-179A-2	Sequence 2, Appli
c1643	13.8	0.5	18	1	US-09-686-179A-2	Sequence 2, Appli
c1644	13.8	0.5	18	1	US-08-679-645-1167	Sequence 1167, Ap
1645	13.8	0.5	18	1	US-09-015-188-13	Sequence 13, Appl
1646	13.8	0.5	18	1	US-09-387-341-164	Sequence 164, App
1647	13.8	0.5	18	1	US-09-000-286A-23	Sequence 23, Appl
c1648	13.8	0.5	18	1	US-09-000-286A-24	Sequence 24, Appl
c1649	13.8	0.5	18	1	US-09-422-978-9550	Sequence 9550, Ap
1650	13.8	0.5	18	1	US-09-434-354-22	Sequence 22, Appl
c1651	13.8	0.5	18	1	US-09-371-772B-2171	Sequence 2171, Ap
1652	13.8	0.5	18	1	US-09-981-621-2	Sequence 2, Appli
c1653	13.8	0.5	18	1	US-09-981-621-2	Sequence 2, Appli
1654	13.8	0.5	18	1	PCT-US95-08604-92	Sequence 92, Appl
c1655	13.8	0.5	18	1	PCT-US96-01473-2	Sequence 2, Appli
1656	13.8	0.5	18	1	PCT-US96-01473-4	Sequence 4, Appli
1657	13.8	0.5	19	1	US-08-196-218-5	Sequence 5, Appli
1658	13.8	0.5	19	1	US-08-487-759-1	Sequence 1, Appli
1659	13.8	0.5	19	1	US-08-681-953-5	Sequence 5, Appli
1660	13.8	0.5	19	1	US-08-486-408-12	Sequence 12, Appl
1661	13.8	0.5	19	1	US-08-807-104-1	Sequence 1, Appli
1662	13.8	0.5	19	1	US-08-807-104-4	Sequence 4, Appli
1663	13.8	0.5	19	1	US-08-807-104-6	Sequence 6, Appli
1664	13.8	0.5	19	1	US-08-807-104-7	Sequence 7, Appli
1665	13.8	0.5	19	1	US-08-807-104-8	Sequence 8, Appli
1666	13.8	0.5	19	1	US-08-807-104-9	Sequence 9, Appli
1667	13.8	0.5	19	1	US-08-807-104-10	Sequence 10, Appl
1668	13.8	0.5	19	1	US-08-807-104-13	Sequence 13, Appl
1669	13.8	0.5	19	1	US-08-807-104-14	Sequence 14, Appl
1670	13.8	0.5	19	1	US-08-807-104-15	Sequence 15, Appl
1671	13.8	0.5	19	1	US-08-807-104-16	Sequence 16, Appl
1672	13.8	0.5	19	1	US-08-975-570-12	Sequence 12, Appl
1673	13.8	0.5	19	1	US-08-996-306-46	Sequence 46, Appl
1674	13.8	0.5	19	1	US-08-973-139-1	Sequence 1, Appli
1675	13.8	0.5	19	1	US-08-480-068-1	Sequence 1, Appli
1676	13.8	0.5	19	1	US-08-480-068-4	Sequence 4, Appli
1677	13.8	0.5	19	1	US-08-480-068-6	Sequence 6, Appli
1678	13.8	0.5	19	1	US-08-480-068-7	Sequence 7, Appli
1679	13.8	0.5	19	1	US-08-480-068-8	Sequence 8, Appli
1680	13.8	0.5	19	1	US-08-480-068-9	Sequence 9, Appli
1681	13.8	0.5	19	1	US-08-480-068-10	Sequence 10, Appl
1682	13.8	0.5	19	1	US-08-480-068-13	Sequence 13, Appl
1683	13.8	0.5	19	1	US-08-480-068-14	Sequence 14, Appl
1684	13.8	0.5	19	1	US-08-480-068-15	Sequence 15, Appl
1685	13.8	0.5	19	1	US-08-480-068-16	Sequence 16, Appl
1686	13.8	0.5	19	1	US-09-338-907-46	Sequence 46, Appl
1687	13.8	0.5	19	1	US-09-338-907-380	Sequence 380, App
1688	13.8	0.5	19	1	US-09-218-207-46	Sequence 46, Appl
1689	13.8	0.5	19	1	US-09-218-207-380	Sequence 380, App
1690	13.8	0.5	19	1	US-09-534-407-21	Sequence 21, Appl
1691	13.8	0.5	19	1	US-08-973-137-1	Sequence 1, Appli
1692	13.8	0.5	19	1	US-08-973-137-4	Sequence 4, Appli
1693	13.8	0.5	19	1	US-08-973-137-6	Sequence 6, Appli
1694	13.8	0.5	19	1	US-08-973-137-7	Sequence 7, Appli
1695	13.8	0.5	19	1	US-08-973-137-8	Sequence 8, Appli
1696	13.8	0.5	19	1	US-08-973-137-9	Sequence 9, Appli
1697	13.8	0.5	19	1	US-08-973-137-10	Sequence 10, Appl
1698	13.8	0.5	19	1	US-08-973-137-13	Sequence 13, Appl
1699	13.8	0.5	19	1	US-08-973-137-14	Sequence 14, Appl
1700	13.8	0.5	19	1	US-08-973-137-15	Sequence 15, Appl
1701	13.8	0.5	19	1	US-08-973-137-16	Sequence 16, Appl
1702	13.8	0.5	19	1	US-09-999-201B-21	Sequence 21, Appl
1703	13.8	0.5	19	1	US-09-422-978-4936	Sequence 4936, Ap
1704	13.8	0.5	19	1	US-09-422-978-7856	Sequence 7856, Ap
1705	13.8	0.5	19	1	US-09-381-122A-15	Sequence 15, Appl
1706	13.8	0.5	19	1	PCT-US91-03680-3	Sequence 3, Appli
c1707	13.8	0.5	19	1	PCT-US91-03680-3	Sequence 3, Appli
1708	13.8	0.5	19	1	PCT-US96-08320-1	Sequence 1, Appli
1709	13.8	0.5	19	1	PCT-US96-08330-1	Sequence 1, Appli
c1710	13.8	0.5	20	1	US-09-344-914-87	Sequence 87, Appl
1711	13.8	0.5	20	1	US-09-344-914-84	Sequence 84, Appl
c1712	13.8	0.5	20	1	US-07-940-242A-63	Sequence 63, Appl

1713	13.8	0.5	20	1	US-08-136-811-4	Sequence 4, Appli
c1714	13.8	0.5	20	1	US-08-531-747-5	Sequence 5, Appli
c1715	13.8	0.5	20	1	US-08-379-078-621	Sequence 621, App
c1716	13.8	0.5	20	1	US-08-531-749-5	Sequence 5, Appli
c1717	13.8	0.5	20	1	US-08-781-432-5	Sequence 5, Appli
1718	13.8	0.5	20	1	US-08-244-116B-36	Sequence 36, Appl
1719	13.8	0.5	20	1	US-08-835-770-4	Sequence 4, Appli
1720	13.8	0.5	20	1	US-08-628-731-4	Sequence 4, Appli
c1721	13.8	0.5	20	1	US-08-472-659-25	Sequence 25, Appl
1722	13.8	0.5	20	1	US-08-578-551-26	Sequence 26, Appl
1723	13.8	0.5	20	1	US-08-807-104-2	Sequence 2, Appli
c1724	13.8	0.5	20	1	US-08-716-284-8	Sequence 8, Appli
c1725	13.8	0.5	20	1	US-08-474-661-25	Sequence 25, Appl
c1726	13.8	0.5	20	1	US-08-854-041-5	Sequence 5, Appli
1727	13.8	0.5	20	1	US-08-597-948A-5	Sequence 5, Appli
c1728	13.8	0.5	20	1	US-08-611-977-25	Sequence 25, Appl
1729	13.8	0.5	20	1	US-08-538-711A-22	Sequence 22, Appl
1730	13.8	0.5	20	1	US-09-190-982-26	Sequence 26, Appl
c1731	13.8	0.5	20	1	US-09-358-382-11	Sequence 11, Appl
c1732	13.8	0.5	20	1	US-09-166-186-108	Sequence 108, App
1733	13.8	0.5	20	1	US-09-089-195-23	Sequence 23, Appl
c1734	13.8	0.5	20	1	US-09-344-914-83	Sequence 83, Appl
1735	13.8	0.5	20	1	US-08-480-068-2	Sequence 2, Appli
c1736	13.8	0.5	20	1	US-08-903-139B-4	Sequence 4, Appli
1737	13.8	0.5	20	1	US-09-287-796-155	Sequence 155, App
1738	13.8	0.5	20	1	US-09-433-694-86	Sequence 86, Appl
1739	13.8	0.5	20	1	US-09-433-694-88	Sequence 88, Appl
c1740	13.8	0.5	20	1	US-09-435-296-52	Sequence 52, Appl
1741	13.8	0.5	20	1	US-09-490-692-166	Sequence 166, App
1742	13.8	0.5	20	1	US-09-408-257-26	Sequence 26, Appl
1743	13.8	0.5	20	1	US-09-130-616-155	Sequence 155, App
c1744	13.8	0.5	20	1	US-08-930-285-23	Sequence 23, Appl
c1745	13.8	0.5	20	1	US-09-313-932-108	Sequence 108, App
1746	13.8	0.5	20	1	US-09-467-082-12	Sequence 12, Appl
1747	13.8	0.5	20	1	US-09-467-082-13	Sequence 13, Appl
1748	13.8	0.5	20	1	US-08-725-027-22	Sequence 22, Appl
1749	13.8	0.5	20	1	US-09-593-711A-173	Sequence 173, App
c1750	13.8	0.5	20	1	US-07-974-409C-329	Sequence 329, App
c1751	13.8	0.5	20	1	US-09-593-589-26	Sequence 26, Appl
1752	13.8	0.5	20	1	US-09-082-649B-77	Sequence 77, Appl
c1753	13.8	0.5	20	1	US-09-082-649B-77	Sequence 77, Appl
1754	13.8	0.5	20	1	US-08-973-137-2	Sequence 2, Appli
1755	13.8	0.5	20	1	US-09-702-251-60	Sequence 60, Appl
c1756	13.8	0.5	20	1	US-09-659-791A-23	Sequence 23, Appl
c1757	13.8	0.5	20	1	US-09-791-211-38	Sequence 38, Appl
c1758	13.8	0.5	20	1	US-09-517-467B-223	Sequence 223, App
1759	13.8	0.5	20	1	US-09-150-661-5	Sequence 5, Appli
1760	13.8	0.5	20	1	US-09-242-435-28	Sequence 28, Appl
c1761	13.8	0.5	20	1	US-09-725-265-40	Sequence 40, Appl
c1762	13.8	0.5	20	1	US-09-725-265-41	Sequence 41, Appl
c1763	13.8	0.5	20	1	US-09-725-265-42	Sequence 42, Appl
1764	13.8	0.5	20	1	US-09-542-552-22	Sequence 22, Appl
1765	13.8	0.5	20	1	US-09-898-361-146	Sequence 146, App
c1766	13.8	0.5	20	1	US-09-280-030-46	Sequence 46, Appl
c1767	13.8	0.5	20	1	US-09-081-149-11	Sequence 11, Appl
1768	13.8	0.5	20	1	US-09-172-699-10	Sequence 10, Appl
c1769	13.8	0.5	20	1	US-09-198-452A-2718	Sequence 2718, Ap
1770	13.8	0.5	20	1	US-09-198-452A-4326	Sequence 4326, Ap
1771	13.8	0.5	20	1	US-09-679-299A-107	Sequence 107, App
c1772	13.8	0.5	20	1	US-09-944-036-47	Sequence 47, Appl
c1773	13.8	0.5	20	1	US-09-780-045-105	Sequence 105, App
1774	13.8	0.5	20	1	US-09-522-775A-5	Sequence 5, Appli
c1775	13.8	0.5	20	1	PCT-US93-00977-329	Sequence 329, App
1776	13.8	0.5	21	1	US-08-063-167A-38	Sequence 38, Appl
1777	13.8	0.5	21	1	US-08-145-704-10	Sequence 10, Appl
c1778	13.8	0.5	21	1	US-07-665-960A-11	Sequence 11, Appl
1779	13.8	0.5	21	1	US-08-007-997A-38	Sequence 38, Appl
c1780	13.8	0.5	21	1	US-08-106-802-11	Sequence 11, Appl
1781	13.8	0.5	21	1	US-08-446-530-28	Sequence 28, Appl
1782	13.8	0.5	21	1	US-08-440-740A-38	Sequence 38, Appl
1783	13.8	0.5	21	1	US-09-097-562-28	Sequence 28, Appl
1784	13.8	0.5	21	1	US-08-344-155C-38	Sequence 38, Appl
c1785	13.8	0.5	21	1	US-08-703-136-11	Sequence 11, Appl
1786	13.8	0.5	21	1	US-09-102-830-12	Sequence 12, Appl
1787	13.8	0.5	21	1	US-08-804-439A-61	Sequence 61, Appl
1788	13.8	0.5	21	1	US-08-804-439A-83	Sequence 83, Appl
1789	13.8	0.5	21	1	US-08-982-845B-38	Sequence 38, Appl
1790	13.8	0.5	21	1	US-08-720-229-61	Sequence 61, Appl
1791	13.8	0.5	21	1	US-08-720-229-83	Sequence 83, Appl
1792	13.8	0.5	21	1	US-08-991-525B-38	Sequence 38, Appl
1793	13.8	0.5	21	1	US-09-085-759-38	Sequence 38, Appl
c1794	13.8	0.5	21	1	US-08-513-974B-257	Sequence 257, App
c1795	13.8	0.5	21	1	US-08-513-974B-263	Sequence 263, App
c1796	13.8	0.5	21	1	US-08-513-974B-264	Sequence 264, App
c1797	13.8	0.5	21	1	US-08-513-974B-269	Sequence 269, App
1798	13.8	0.5	21	1	US-08-987-574-10	Sequence 10, Appl
1799	13.8	0.5	21	1	US-09-128-496-38	Sequence 38, Appl
1800	13.8	0.5	21	1	US-08-535-168-10	Sequence 10, Appl
1801	13.8	0.5	21	1	US-09-283-011-31	Sequence 31, Appl
1802	13.8	0.5	21	1	US-09-038-637-112	Sequence 112, App
1803	13.8	0.5	21	1	US-09-052-333A-62	Sequence 62, Appl
1804	13.8	0.5	21	1	US-09-017-974-10	Sequence 10, Appl
1805	13.8	0.5	21	1	US-09-493-351B-10	Sequence 10, Appl
1806	13.8	0.5	21	1	US-09-009-490A-38	Sequence 38, Appl
1807	13.8	0.5	21	1	US-08-682-255A-10	Sequence 10, Appl
1808	13.8	0.5	21	1	US-09-429-130-10	Sequence 10, Appl
1809	13.8	0.5	21	1	US-08-649-950-76	Sequence 76, Appl
c1810	13.8	0.5	21	1	US-09-422-978-8235	Sequence 8235, Ap
1811	13.8	0.5	21	1	US-09-422-978-10171	Sequence 10171, A
1812	13.8	0.5	21	1	US-09-733-444-13	Sequence 13, Appl
c1813	13.8	0.5	21	1	US-09-944-036-11	Sequence 11, Appl
c1814	13.8	0.5	21	1	US-09-944-036-46	Sequence 46, Appl
c1815	13.8	0.5	21	1	US-09-393-858-30	Sequence 30, Appl
c1816	13.8	0.5	21	1	US-09-726-774-18	Sequence 18, Appl
1817	13.8	0.5	21	1	US-09-726-774-40	Sequence 40, Appl
1818	13.8	0.5	21	1	US-09-726-774-58	Sequence 58, Appl
1819	13.8	0.5	21	1	PCT-US93-07743-13	Sequence 13, Appl
1820	13.8	0.5	21	1	PCT-US93-08101-38	Sequence 38, Appl
1821	13.8	0.5	21	1	PCT-US96-11786-10	Sequence 10, Appl
1822	13.8	0.5	21	1	5457089-30	Patent No. 5457089
c1823	13.8	0.5	22	1	US-08-457-273B-31	Sequence 31, Appl
1824	13.8	0.5	22	1	US-09-688-990-20	Sequence 20, Appl
c1825	13.6	0.5	20	1	US-08-203-198-23	Sequence 23, Appl
c1826	13.6	0.5	20	1	US-08-487-141B-64	Sequence 64, Appl
c1827	13.6	0.5	20	1	US-08-486-408-18	Sequence 18, Appl
c1828	13.6	0.5	20	1	US-08-509-521-4	Sequence 4, Appli
1829	13.6	0.5	20	1	US-08-531-556-39	Sequence 39, Appl
1830	13.6	0.5	20	1	US-08-472-416-39	Sequence 39, Appl
1831	13.6	0.5	20	1	US-08-465-485A-26	Sequence 26, Appl
1832	13.6	0.5	20	1	US-08-753-979A-1	Sequence 1, Appli
c1833	13.6	0.5	20	1	US-08-889-296A-37	Sequence 37, Appl
c1834	13.6	0.5	20	1	US-08-927-561-64	Sequence 64, Appl
c1835	13.6	0.5	20	1	US-08-975-570-18	Sequence 18, Appl
1836	13.6	0.5	20	1	US-08-837-201C-67	Sequence 67, Appl
c1837	13.6	0.5	20	1	US-08-940-250-21	Sequence 21, Appl
1838	13.6	0.5	20	1	US-09-366-257-17	Sequence 17, Appl
1839	13.6	0.5	20	1	US-09-080-285-26	Sequence 26, Appl
1840	13.6	0.5	20	1	US-09-344-001-17	Sequence 17, Appl
1841	13.6	0.5	20	1	US-09-166-186-217	Sequence 217, App
c1842	13.6	0.5	20	1	US-08-827-036A-10	Sequence 10, Appl
c1843	13.6	0.5	20	1	US-08-961-469A-44	Sequence 44, Appl
c1844	13.6	0.5	20	1	US-09-009-913-327	Sequence 327, App
c1845	13.6	0.5	20	1	US-09-157-177-29	Sequence 29, Appl
c1846	13.6	0.5	20	1	US-09-344-914-75	Sequence 75, Appl
c1847	13.6	0.5	20	1	US-09-344-914-76	Sequence 76, Appl
c1848	13.6	0.5	20	1	US-09-128-494-37	Sequence 37, Appl
c1849	13.6	0.5	20	1	US-08-461-366A-7	Sequence 7, Appli
1850	13.6	0.5	20	1	US-09-428-584-18	Sequence 18, Appl
1851	13.6	0.5	20	1	US-09-288-461-43	Sequence 43, Appl
1852	13.6	0.5	20	1	US-09-087-194-4	Sequence 4, Appli
c1853	13.6	0.5	20	1	US-08-481-341-10	Sequence 10, Appl
1854	13.6	0.5	20	1	US-09-428-696-10	Sequence 10, Appl
1855	13.6	0.5	20	1	US-09-513-729B-84	Sequence 84, Appl
c1856	13.6	0.5	20	1	US-09-435-296-28	Sequence 28, Appl
c1857	13.6	0.5	20	1	US-09-490-692-109	Sequence 109, App
c1858	13.6	0.5	20	1	US-09-280-805-215	Sequence 215, App

c1859	13.6	0.5	20	1	US-09-517-584A-23	Sequence 23, Appl
1860	13.6	0.5	20	1	US-09-290-640-67	Sequence 67, Appl
1861	13.6	0.5	20	1	US-09-313-932-217	Sequence 217, App
c1862	13.6	0.5	20	1	US-09-358-972-96	Sequence 96, Appl
1863	13.6	0.5	20	1	US-09-467-082-14	Sequence 14, Appl
c1864	13.6	0.5	20	1	US-09-021-701-354	Sequence 354, App
1865	13.6	0.5	20	1	US-09-021-701-551	Sequence 551, App
c1866	13.6	0.5	20	1	US-09-021-701-774	Sequence 774, App
c1867	13.6	0.5	20	1	US-09-021-701-775	Sequence 775, App
c1868	13.6	0.5	20	1	US-09-021-701-776	Sequence 776, App
c1869	13.6	0.5	20	1	US-09-487-368A-23	Sequence 23, Appl
c1870	13.6	0.5	20	1	US-09-487-368A-183	Sequence 183, App
c1871	13.6	0.5	20	1	US-09-489-868A-19	Sequence 19, Appl
c1872	13.6	0.5	20	1	US-09-593-711A-18	Sequence 18, Appl
1873	13.6	0.5	20	1	US-09-593-711A-160	Sequence 160, App
c1874	13.6	0.5	20	1	US-09-593-711A-228	Sequence 228, App
1875	13.6	0.5	20	1	US-09-484-617-164	Sequence 164, App
1876	13.6	0.5	20	1	US-09-364-416-67	Sequence 67, Appl
c1877	13.6	0.5	20	1	US-08-424-991B-7	Sequence 7, Appli
c1878	13.6	0.5	20	1	US-08-424-991B-8	Sequence 8, Appli
1879	13.6	0.5	20	1	US-09-716-161A-55	Sequence 55, Appl
1880	13.6	0.5	20	1	US-09-629-645A-37	Sequence 37, Appl
c1881	13.6	0.5	20	1	US-09-629-645A-71	Sequence 71, Appl
1882	13.6	0.5	20	1	US-09-629-645A-85	Sequence 85, Appl
1883	13.6	0.5	20	1	US-09-588-950A-6	Sequence 6, Appli
c1884	13.6	0.5	20	1	US-09-798-096-63	Sequence 63, Appl
1885	13.6	0.5	20	1	US-09-724-426-26	Sequence 26, Appl
1886	13.6	0.5	20	1	US-09-295-593-17	Sequence 17, Appl
1887	13.6	0.5	20	1	US-09-742-703-49	Sequence 49, Appl
1888	13.6	0.5	20	1	US-09-331-851-1	Sequence 1, Appli
1889	13.6	0.5	20	1	US-09-191-170-99	Sequence 99, Appl
c1890	13.6	0.5	20	1	US-09-920-672-34	Sequence 34, Appl
1891	13.6	0.5	20	1	US-09-657-453A-81	Sequence 81, Appl
c1892	13.6	0.5	20	1	US-09-806-254-14	Sequence 14, Appl
c1893	13.6	0.5	20	1	US-09-920-668-22	Sequence 22, Appl
c1894	13.6	0.5	20	1	US-09-920-668-34	Sequence 34, Appl
c1895	13.6	0.5	20	1	US-09-629-644A-23	Sequence 23, Appl
c1896	13.6	0.5	20	1	US-09-629-644A-23	Sequence 23, Appl
c1897	13.6	0.5	20	1	US-09-629-644A-183	Sequence 183, App
c1898	13.6	0.5	20	1	US-09-266-965-89	Sequence 89, Appl
1899	13.6	0.5	20	1	US-09-266-965-90	Sequence 90, Appl
c1900	13.6	0.5	20	1	US-09-579-791-2	Sequence 2, Appli
1901	13.6	0.5	20	1	US-09-422-978-5752	Sequence 5752, Ap
1902	13.6	0.5	20	1	US-09-422-978-8908	Sequence 8908, Ap
1903	13.6	0.5	20	1	US-09-422-978-9924	Sequence 9924, Ap
c1904	13.6	0.5	20	1	US-09-422-978-10846	Sequence 10846, A
c1905	13.6	0.5	20	1	US-09-230-652-116	Sequence 116, App
c1906	13.6	0.5	20	1	US-08-894-454-66	Sequence 66, Appl
1907	13.6	0.5	20	1	US-09-198-452A-1578	Sequence 1578, Ap
c1908	13.6	0.5	20	1	US-09-198-452A-2361	Sequence 2361, Ap
c1909	13.6	0.5	20	1	US-09-198-452A-4000	Sequence 4000, Ap
c1910	13.6	0.5	20	1	US-09-198-452A-4383	Sequence 4383, Ap
1911	13.6	0.5	20	1	US-09-454-495-6	Sequence 6, Appli
1912	13.6	0.5	20	1	US-09-823-634A-8	Sequence 8, Appli
1913	13.6	0.5	20	1	US-09-823-634A-9	Sequence 9, Appli
1914	13.6	0.5	20	1	US-09-823-634A-10	Sequence 10, Appl
1915	13.6	0.5	20	1	US-09-823-634A-11	Sequence 11, Appl
c1916	13.6	0.5	20	1	US-09-823-634A-12	Sequence 12, Appl
c1917	13.6	0.5	20	1	US-09-823-634A-14	Sequence 14, Appl
c1918	13.6	0.5	20	1	US-09-823-634A-17	Sequence 17, Appl
1919	13.6	0.5	20	1	US-09-823-647B-8	Sequence 8, Appli
1920	13.6	0.5	20	1	US-09-823-647B-9	Sequence 9, Appli
1921	13.6	0.5	20	1	US-09-823-647B-10	Sequence 10, Appl
1922	13.6	0.5	20	1	US-09-823-647B-11	Sequence 11, Appl
c1923	13.6	0.5	20	1	US-09-823-647B-12	Sequence 12, Appl
c1924	13.6	0.5	20	1	US-09-823-647B-14	Sequence 14, Appl
c1925	13.6	0.5	20	1	US-09-823-647B-17	Sequence 17, Appl
c1926	13.6	0.5	20	1	US-09-780-045-51	Sequence 51, Appl
c1927	13.6	0.5	20	1	US-09-780-045-84	Sequence 84, Appl
1928	13.6	0.5	20	1	US-09-465-589A-5	Sequence 5, Appli
c1929	13.6	0.5	20	1	US-09-465-589A-6	Sequence 6, Appli
1930	13.6	0.5	20	1	US-09-665-615B-67	Sequence 67, Appl
1931	13.6	0.5	20	1	US-09-495-714C-76	Sequence 76, Appl
c1932	13.6	0.5	20	1	US-09-914-272A-6	Sequence 6, Appli
c1933	13.6	0.5	20	1	PCT-US94-00265-10	Sequence 10, Appl
c1934	13.6	0.5	20	1	PCT-US96-09388-64	Sequence 64, Appl
c1935	13.6	0.5	22	1	US-08-173-489C-65	Sequence 65, Appl
c1936	13.6	0.5	24	1	US-08-004-552-4	Sequence 4, Appli
1937	13.4	0.5	15	1	US-08-292-620A-364	Sequence 364, App
1938	13.4	0.5	15	1	US-08-832-021-21	Sequence 21, Appl
1939	13.4	0.5	15	1	US-09-071-845-364	Sequence 364, App
1940	13.4	0.5	15	1	US-08-087-387-5	Sequence 5, Appli
1941	13.4	0.5	15	1	US-08-455-627-5	Sequence 5, Appli
1942	13.4	0.5	15	1	US-08-461-271-5	Sequence 5, Appli
1943	13.4	0.5	15	1	US-08-713-685A-5	Sequence 5, Appli
1944	13.4	0.5	15	1	US-08-689-856-5	Sequence 5, Appli
1945	13.4	0.5	15	1	US-08-863-639A-8	Sequence 8, Appli
1946	13.4	0.5	15	1	US-08-893-204C-2	Sequence 2, Appli
c1947	13.4	0.5	15	1	US-08-832-021-17	Sequence 17, Appl
c1948	13.4	0.5	15	1	US-08-832-021-20	Sequence 20, Appl
1949	13.4	0.5	15	1	US-08-832-021-22	Sequence 22, Appl
c1950	13.4	0.5	15	1	US-08-832-021-25	Sequence 25, Appl
1951	13.4	0.5	15	1	US-09-070-477-5	Sequence 5, Appli
1952	13.4	0.5	15	1	US-08-787-321-5	Sequence 5, Appli
c1953	13.4	0.5	15	1	US-08-041-599-2	Sequence 2, Appli
c1954	13.4	0.5	15	1	US-08-337-025-2	Sequence 2, Appli
1955	13.4	0.5	15	1	US-08-863-639A-7	Sequence 7, Appli
c1956	13.4	0.5	15	1	US-08-863-639A-7	Sequence 7, Appli
1957	13.4	0.5	15	1	US-08-863-639A-21	Sequence 21, Appl
1958	13.4	0.5	15	1	US-08-832-021-26	Sequence 26, Appl
c1959	13.4	0.5	15	1	US-08-832-021-29	Sequence 29, Appl
1960	13.4	0.5	15	1	US-08-832-021-30	Sequence 30, Appl
1961	13.4	0.5	15	1	US-08-832-021-32	Sequence 32, Appl
c1962	13.4	0.5	15	1	US-08-832-021-33	Sequence 33, Appl
c1963	13.4	0.5	15	1	US-08-832-021-37	Sequence 37, Appl
1964	13.4	0.5	15	1	US-08-832-021-42	Sequence 42, Appl
c1965	13.4	0.5	15	1	US-08-832-021-45	Sequence 45, Appl
1966	13.4	0.5	15	1	US-08-832-021-53	Sequence 53, Appl
1967	13.4	0.5	15	1	US-08-832-021-54	Sequence 54, Appl
c1968	13.4	0.5	15	1	US-08-832-021-54	Sequence 54, Appl
1969	13.4	0.5	15	1	US-08-832-021-56	Sequence 56, Appl
c1970	13.4	0.5	15	1	US-08-832-021-56	Sequence 56, Appl
1971	13.4	0.5	15	1	US-08-832-021-57	Sequence 57, Appl
c1972	13.4	0.5	15	1	US-08-832-021-57	Sequence 57, Appl
c1973	13.4	0.5	15	1	US-08-832-021-58	Sequence 58, Appl
1974	13.4	0.5	15	1	US-08-832-021-60	Sequence 60, Appl
c1975	13.4	0.5	15	1	US-08-832-021-60	Sequence 60, Appl
1976	13.4	0.5	15	1	US-08-832-021-61	Sequence 61, Appl
c1977	13.4	0.5	15	1	US-08-832-021-62	Sequence 62, Appl
1978	13.4	0.5	15	1	US-08-832-021-64	Sequence 64, Appl
c1979	13.4	0.5	15	1	US-08-832-021-64	Sequence 64, Appl
1980	13.4	0.5	15	1	US-09-475-947A-164	Sequence 164, App
c1981	13.4	0.5	15	1	US-09-475-947A-164	Sequence 164, App
1982	13.4	0.5	15	1	US-08-730-635-13	Sequence 13, Appl
c1983	13.4	0.5	16	1	US-09-371-772B-5864	Sequence 5864, Ap
c1984	13.4	0.5	17	1	US-08-373-124A-1625	Sequence 1625, Ap
1985	13.4	0.5	17	1	US-08-373-124A-1907	Sequence 1907, Ap
c1986	13.4	0.5	17	1	US-08-435-628-1625	Sequence 1625, Ap
1987	13.4	0.5	17	1	US-08-435-628-1907	Sequence 1907, Ap
c1988	13.4	0.5	17	1	US-08-747-121-5	Sequence 5, Appli
c1989	13.4	0.5	17	1	US-08-744-905A-5	Sequence 5, Appli
c1990	13.4	0.5	17	1	US-08-909-742-3	Sequence 3, Appli
c1991	13.4	0.5	17	1	US-08-909-742-4	Sequence 4, Appli
c1992	13.4	0.5	17	1	US-08-825-487A-95	Sequence 95, Appl
1993	13.4	0.5	17	1	US-09-021-701-110	Sequence 110, App
1994	13.4	0.5	17	1	US-09-021-701-111	Sequence 111, App
1995	13.4	0.5	17	1	US-09-021-701-112	Sequence 112, App
c1996	13.4	0.5	17	1	US-09-412-289-3	Sequence 3, Appli
c1997	13.4	0.5	17	1	US-09-412-289-4	Sequence 4, Appli
c1998	13.4	0.5	17	1	US-08-584-040-2032	Sequence 2032, Ap
c1999	13.4	0.5	17	1	US-08-584-040-2033	Sequence 2033, Ap
c2000	13.4	0.5	17	1	US-08-584-040-2034	Sequence 2034, Ap
2001	13.4	0.5	17	1	US-08-584-040-2189	Sequence 2189, Ap
2002	13.4	0.5	17	1	US-08-584-040-3867	Sequence 3867, Ap
c2003	13.4	0.5	17	1	US-08-584-040-7490	Sequence 7490, Ap
c2004	13.4	0.5	17	1	US-09-371-772B-577	Sequence 577, App

c2005	13.4	0.5	17	1	US-09-371-772B-578	Sequence 578, App
c2006	13.4	0.5	17	1	US-09-371-772B-579	Sequence 579, App
2007	13.4	0.5	17	1	US-09-371-772B-734	Sequence 734, App
2008	13.4	0.5	17	1	US-09-371-772B-1634	Sequence 1634, Ap
c2009	13.4	0.5	17	1	US-09-371-772B-3296	Sequence 3296, Ap
2010	13.4	0.5	17	1	US-09-371-772B-6327	Sequence 6327, Ap
2011	13.4	0.5	17	1	US-09-827-998-654	Sequence 654, App
2012	13.4	0.5	17	1	US-09-827-998-657	Sequence 657, App
c2013	13.4	0.5	17	1	US-09-866-108A-2060	Sequence 2060, Ap
c2014	13.4	0.5	17	1	US-09-866-108A-2061	Sequence 2061, Ap
2015	13.4	0.5	17	1	US-09-866-108A-2672	Sequence 2672, Ap
2016	13.4	0.5	17	1	US-09-866-108A-2673	Sequence 2673, Ap
2017	13.4	0.5	17	1	US-09-866-108A-10726	Sequence 10726, A
2018	13.4	0.5	17	1	US-09-866-108A-10727	Sequence 10727, A
2019	13.4	0.5	17	1	US-09-866-108A-10728	Sequence 10728, A
2020	13.4	0.5	17	1	PCT-US91-03680-7	Sequence 7, Appli
c2021	13.4	0.5	17	1	PCT-US91-03680-7	Sequence 7, Appli
2022	13.4	0.5	18	1	US-08-330-000-1	Sequence 1, Appli
c2023	13.4	0.5	18	1	US-08-330-000-1	Sequence 1, Appli
c2024	13.4	0.5	18	1	US-09-166-203-14	Sequence 14, Appl
c2025	13.4	0.5	18	1	US-09-166-203-18	Sequence 18, Appl
c2026	13.4	0.5	18	1	US-09-213-768-36	Sequence 36, Appl
c2027	13.4	0.5	18	1	US-09-106-038A-22	Sequence 22, Appl
2028	13.4	0.5	18	1	US-08-965-908-1	Sequence 1, Appli
c2029	13.4	0.5	18	1	US-08-965-908-1	Sequence 1, Appli
c2030	13.4	0.5	18	1	US-08-826-532-16	Sequence 16, Appl
c2031	13.4	0.5	18	1	US-08-826-532-18	Sequence 18, Appl
c2032	13.4	0.5	18	1	US-09-035-220-45	Sequence 45, Appl
c2033	13.4	0.5	18	1	US-09-358-972-220	Sequence 220, App
c2034	13.4	0.5	18	1	US-09-377-309-14	Sequence 14, Appl
c2035	13.4	0.5	18	1	US-09-377-309-18	Sequence 18, Appl
c2036	13.4	0.5	18	1	US-09-406-064-27	Sequence 27, Appl
c2037	13.4	0.5	18	1	US-09-430-615-56	Sequence 56, Appl
c2038	13.4	0.5	18	1	US-09-094-381C-13	Sequence 13, Appl
c2039	13.4	0.5	18	1	US-09-406-065-61	Sequence 61, Appl
c2040	13.4	0.5	18	1	US-09-228-324A-16	Sequence 16, Appl
c2041	13.4	0.5	18	1	US-09-228-324A-18	Sequence 18, Appl
c2042	13.4	0.5	18	1	US-08-584-040-2986	Sequence 2986, Ap
2043	13.4	0.5	18	1	US-08-584-040-3076	Sequence 3076, Ap
c2044	13.4	0.5	18	1	US-09-383-316-77	Sequence 77, Appl
c2045	13.4	0.5	18	1	US-09-000-286A-17	Sequence 17, Appl
2046	13.4	0.5	18	1	US-09-000-286A-18	Sequence 18, Appl
c2047	13.4	0.5	18	1	US-09-422-978-4649	Sequence 4649, Ap
2048	13.4	0.5	18	1	US-09-422-978-7270	Sequence 7270, Ap
c2049	13.4	0.5	18	1	US-09-371-772B-1414	Sequence 1414, Ap
2050	13.4	0.5	18	1	US-09-371-772B-1503	Sequence 1503, Ap
c2051	13.4	0.5	18	1	US-09-788-847-27	Sequence 27, Appl
2052	13.4	0.5	19	1	US-08-388-381-24	Sequence 24, Appl
2053	13.4	0.5	19	1	US-08-468-037A-33	Sequence 33, Appl
c2054	13.4	0.5	19	1	US-08-468-037A-33	Sequence 33, Appl
2055	13.4	0.5	19	1	US-08-471-973A-33	Sequence 33, Appl
c2056	13.4	0.5	19	1	US-08-471-973A-33	Sequence 33, Appl
2057	13.4	0.5	19	1	US-08-465-880-28	Sequence 28, Appl
c2058	13.4	0.5	19	1	US-08-465-880-28	Sequence 28, Appl
2059	13.4	0.5	19	1	US-09-035-357-33	Sequence 33, Appl
c2060	13.4	0.5	19	1	US-09-035-357-33	Sequence 33, Appl
2061	13.4	0.5	19	1	US-08-765-626-24	Sequence 24, Appl
2062	13.4	0.5	19	1	US-09-016-520-4	Sequence 4, Appli
c2063	13.4	0.5	19	1	US-09-016-520-4	Sequence 4, Appli
2064	13.4	0.5	19	1	US-09-144-611-12	Sequence 12, Appl
c2065	13.4	0.5	19	1	US-09-144-611-12	Sequence 12, Appl
2066	13.4	0.5	19	1	US-09-130-973-4	Sequence 4, Appli
c2067	13.4	0.5	19	1	US-09-130-973-4	Sequence 4, Appli
2068	13.4	0.5	19	1	US-09-477-902-4	Sequence 4, Appli
c2069	13.4	0.5	19	1	US-09-477-902-4	Sequence 4, Appli
2070	13.4	0.5	19	1	US-09-101-886B-13	Sequence 13, Appl
c2071	13.4	0.5	19	1	US-09-101-886B-17	Sequence 17, Appl
c2072	13.4	0.5	19	1	US-09-327-796-3	Sequence 3, Appli
2073	13.4	0.5	19	1	US-09-453-514A-12	Sequence 12, Appl
c2074	13.4	0.5	19	1	US-09-453-514A-12	Sequence 12, Appl
2075	13.4	0.5	19	1	US-09-135-202-33	Sequence 33, Appl
c2076	13.4	0.5	19	1	US-09-135-202-33	Sequence 33, Appl
2077	13.4	0.5	19	1	US-08-802-331-29	Sequence 29, Appl
c2078	13.4	0.5	19	1	US-08-802-331-29	Sequence 29, Appl
2079	13.4	0.5	19	1	US-09-389-283-33	Sequence 33, Appl
c2080	13.4	0.5	19	1	US-09-389-283-33	Sequence 33, Appl
2081	13.4	0.5	19	1	US-09-370-541-4	Sequence 4, Appli
c2082	13.4	0.5	19	1	US-09-370-541-4	Sequence 4, Appli
c2083	13.4	0.5	19	1	US-09-672-717-183	Sequence 183, App
2084	13.4	0.5	19	1	PCT-US95-08605-24	Sequence 24, Appl
2085	13.4	0.5	20	1	US-07-976-103A-14	Sequence 14, Appl
c2086	13.4	0.5	20	1	US-07-976-103A-14	Sequence 14, Appl
c2087	13.4	0.5	20	1	US-08-507-431-35	Sequence 35, Appl
c2088	13.4	0.5	20	1	US-08-271-880A-180	Sequence 180, App
2089	13.4	0.5	20	1	US-08-473-481-14	Sequence 14, Appl
c2090	13.4	0.5	20	1	US-08-473-481-14	Sequence 14, Appl
c2091	13.4	0.5	20	1	US-08-441-887A-324	Sequence 324, App
c2092	13.4	0.5	20	1	US-08-902-655A-35	Sequence 35, Appl
c2093	13.4	0.5	20	1	US-08-529-878B-25	Sequence 25, Appl
c2094	13.4	0.5	20	1	US-08-910-408-180	Sequence 180, App
2095	13.4	0.5	20	1	US-08-055-105-1	Sequence 1, Appli
c2096	13.4	0.5	20	1	US-08-544-381B-224	Sequence 224, App
c2097	13.4	0.5	20	1	US-09-359-757-11	Sequence 11, Appl
c2098	13.4	0.5	20	1	US-09-116-622-35	Sequence 35, Appl
2099	13.4	0.5	20	1	US-09-410-028-9	Sequence 9, Appli
c2100	13.4	0.5	20	1	US-09-035-220-44	Sequence 44, Appl
c2101	13.4	0.5	20	1	US-09-249-215-180	Sequence 180, App
c2102	13.4	0.5	20	1	US-09-288-461-100	Sequence 100, App
c2103	13.4	0.5	20	1	US-09-433-699-14	Sequence 14, Appl
c2104	13.4	0.5	20	1	US-09-167-921-16	Sequence 16, Appl
c2105	13.4	0.5	20	1	US-09-280-805-214	Sequence 214, App
2106	13.4	0.5	20	1	US-09-517-584A-13	Sequence 13, Appl
c2107	13.4	0.5	20	1	US-09-219-277-35	Sequence 35, Appl
2108	13.4	0.5	20	1	US-09-290-640-78	Sequence 78, Appl
c2109	13.4	0.5	20	1	US-09-323-743-16	Sequence 16, Appl
c2110	13.4	0.5	20	1	US-09-599-661-35	Sequence 35, Appl
c2111	13.4	0.5	20	1	US-09-313-932-467	Sequence 467, App
2112	13.4	0.5	20	1	US-08-338-352-15	Sequence 15, Appl
c2113	13.4	0.5	20	1	US-08-338-352-15	Sequence 15, Appl
2114	13.4	0.5	20	1	US-09-467-082-25	Sequence 25, Appl
2115	13.4	0.5	20	1	US-09-021-701-553	Sequence 553, App
2116	13.4	0.5	20	1	US-09-487-368A-130	Sequence 130, App
c2117	13.4	0.5	20	1	US-09-487-368A-210	Sequence 210, App
2118	13.4	0.5	20	1	US-09-428-583-19	Sequence 19, Appl
2119	13.4	0.5	20	1	US-08-599-738A-14	Sequence 14, Appl
c2120	13.4	0.5	20	1	US-08-599-738A-14	Sequence 14, Appl
c2121	13.4	0.5	20	1	US-09-657-452A-31	Sequence 31, Appl
2122	13.4	0.5	20	1	US-09-851-062-60	Sequence 60, Appl
c2123	13.4	0.5	20	1	US-09-657-453A-105	Sequence 105, App
2124	13.4	0.5	20	1	US-09-629-644A-130	Sequence 130, App
c2125	13.4	0.5	20	1	US-09-629-644A-210	Sequence 210, App
c2126	13.4	0.5	20	1	US-09-060-299-164	Sequence 164, App
c2127	13.4	0.5	20	1	US-09-402-923A-164	Sequence 164, App
2128	13.4	0.5	20	1	US-09-198-452A-2377	Sequence 2377, Ap
c2129	13.4	0.5	20	1	US-09-198-452A-2867	Sequence 2867, Ap
2130	13.4	0.5	20	1	US-09-198-452A-3480	Sequence 3480, Ap
2131	13.4	0.5	20	1	US-09-198-452A-3520	Sequence 3520, Ap
c2132	13.4	0.5	20	1	US-09-198-452A-4153	Sequence 4153, Ap
2133	13.4	0.5	20	1	US-09-198-452A-5364	Sequence 5364, Ap
c2134	13.4	0.5	20	1	US-09-198-452A-5708	Sequence 5708, Ap
c2135	13.4	0.5	20	1	US-09-198-452A-6474	Sequence 6474, Ap
2136	13.4	0.5	20	1	US-09-665-615B-78	Sequence 78, Appl
2137	13.4	0.5	21	1	US-09-045-054-34	Sequence 34, Appl
2138	13.4	0.5	21	1	US-08-053-867A-18	Sequence 18, Appl
c2139	13.4	0.5	24	1	5399676-1	Patent No. 5399676
2140	13.4	0.5	25	1	US-09-827-998-1296	Sequence 1296, Ap
2141	13.2	0.5	14	1	US-09-300-958A-65	Sequence 65, Appl
c2142	13.2	0.5	14	1	US-09-300-958A-65	Sequence 65, Appl
2143	13.2	0.5	15	1	US-08-882-649A-7	Sequence 7, Appli
c2144	13.2	0.5	15	1	US-08-882-649A-7	Sequence 7, Appli
2145	13.2	0.5	16	1	US-08-641-314C-4	Sequence 4, Appli
c2146	13.2	0.5	18	1	US-09-725-265-44	Sequence 44, Appl
c2147	13.2	0.5	18	1	US-08-487-046-5	Sequence 5, Appli
2148	13.2	0.5	18	1	US-08-487-046-6	Sequence 6, Appli
c2149	13.2	0.5	18	1	US-08-483-522-5	Sequence 5, Appli
2150	13.2	0.5	18	1	US-08-483-522-6	Sequence 6, Appli

2151	13.2	0.5	18	1	US-08-384-324-2	Sequence 2, Appli
c2152	13.2	0.5	18	1	US-08-384-324-4	Sequence 4, Appli
2153	13.2	0.5	18	1	PCT-US96-01473-2	Sequence 2, Appli
c2154	13.2	0.5	18	1	PCT-US96-01473-4	Sequence 4, Appli
c2155	13.2	0.5	18	1	US-07-627-538-6	Sequence 6, Appli
c2156	13.2	0.5	18	1	US-08-128-369-6	Sequence 6, Appli
2157	13.2	0.5	18	1	US-08-564-002-28	Sequence 28, Appl
c2158	13.2	0.5	18	1	US-08-592-936B-6	Sequence 6, Appli
c2159	13.2	0.5	18	1	US-08-788-928A-17	Sequence 17, Appl
c2160	13.2	0.5	18	1	US-08-311-486C-1089	Sequence 1089, Ap
c2161	13.2	0.5	18	1	US-08-639-501-49	Sequence 49, Appl
c2162	13.2	0.5	18	1	US-09-111-573-6	Sequence 6, Appli
c2163	13.2	0.5	18	1	US-09-205-144-39	Sequence 39, Appl
c2164	13.2	0.5	18	1	US-09-256-496-23	Sequence 23, Appl
2165	13.2	0.5	18	1	US-09-256-496-28	Sequence 28, Appl
2166	13.2	0.5	18	1	US-09-358-381-47	Sequence 47, Appl
2167	13.2	0.5	18	1	US-08-577-081A-65	Sequence 65, Appl
c2168	13.2	0.5	18	1	US-09-044-946-49	Sequence 49, Appl
2169	13.2	0.5	18	1	US-09-143-212-44	Sequence 44, Appl
c2170	13.2	0.5	18	1	US-09-143-212-46	Sequence 46, Appl
2171	13.2	0.5	18	1	US-08-559-397A-25	Sequence 25, Appl
c2172	13.2	0.5	18	1	US-08-559-397A-25	Sequence 25, Appl
c2173	13.2	0.5	18	1	US-09-044-908-49	Sequence 49, Appl
c2174	13.2	0.5	18	1	US-09-289-466-55	Sequence 55, Appl
2175	13.2	0.5	18	1	US-09-475-316A-122	Sequence 122, App
c2176	13.2	0.5	18	1	US-09-448-176-4	Sequence 4, Appli
c2177	13.2	0.5	18	1	US-09-632-580A-90	Sequence 90, Appl
2178	13.2	0.5	18	1	US-09-577-902-47	Sequence 47, Appl
c2179	13.2	0.5	18	1	US-08-679-645-607	Sequence 607, App
c2180	13.2	0.5	18	1	US-08-679-645-1159	Sequence 1159, Ap
2181	13.2	0.5	18	1	US-09-167-109-180	Sequence 180, App
2182	13.2	0.5	18	1	US-09-725-265-48	Sequence 48, Appl
c2183	13.2	0.5	18	1	US-09-077-619-13	Sequence 13, Appl
c2184	13.2	0.5	18	1	US-09-422-978-5922	Sequence 5922, Ap
2185	13.2	0.5	18	1	US-09-422-978-7191	Sequence 7191, Ap
2186	13.2	0.5	18	1	US-09-132-368-40	Sequence 40, Appl
c2187	13.2	0.5	18	1	US-09-132-368-40	Sequence 40, Appl
2188	13.2	0.5	18	1	US-09-533-494A-14	Sequence 14, Appl
2189	13.2	0.5	18	1	US-09-533-494A-27	Sequence 27, Appl
2190	13.2	0.5	18	1	US-09-704-640-122	Sequence 122, App
2191	13.2	0.5	18	1	US-09-688-078-16	Sequence 16, Appl
c2192	13.2	0.5	19	1	US-08-487-759-1	Sequence 1, Appli
c2193	13.2	0.5	19	1	US-08-807-104-1	Sequence 1, Appli
c2194	13.2	0.5	19	1	US-08-807-104-4	Sequence 4, Appli
c2195	13.2	0.5	19	1	US-08-807-104-6	Sequence 6, Appli
c2196	13.2	0.5	19	1	US-08-807-104-7	Sequence 7, Appli
c2197	13.2	0.5	19	1	US-08-807-104-8	Sequence 8, Appli
c2198	13.2	0.5	19	1	US-08-807-104-9	Sequence 9, Appli
c2199	13.2	0.5	19	1	US-08-807-104-10	Sequence 10, Appl
c2200	13.2	0.5	19	1	US-08-807-104-13	Sequence 13, Appl
c2201	13.2	0.5	19	1	US-08-807-104-14	Sequence 14, Appl
c2202	13.2	0.5	19	1	US-08-807-104-15	Sequence 15, Appl
c2203	13.2	0.5	19	1	US-08-807-104-16	Sequence 16, Appl
c2204	13.2	0.5	19	1	US-08-973-139-1	Sequence 1, Appli
c2205	13.2	0.5	19	1	US-08-480-068-1	Sequence 1, Appli
c2206	13.2	0.5	19	1	US-08-480-068-4	Sequence 4, Appli
c2207	13.2	0.5	19	1	US-08-480-068-6	Sequence 6, Appli
c2208	13.2	0.5	19	1	US-08-480-068-7	Sequence 7, Appli
c2209	13.2	0.5	19	1	US-08-480-068-8	Sequence 8, Appli
c2210	13.2	0.5	19	1	US-08-480-068-9	Sequence 9, Appli
c2211	13.2	0.5	19	1	US-08-480-068-10	Sequence 10, Appl
c2212	13.2	0.5	19	1	US-08-480-068-13	Sequence 13, Appl
c2213	13.2	0.5	19	1	US-08-480-068-14	Sequence 14, Appl
c2214	13.2	0.5	19	1	US-08-480-068-15	Sequence 15, Appl
c2215	13.2	0.5	19	1	US-08-480-068-16	Sequence 16, Appl
c2216	13.2	0.5	19	1	US-08-973-137-1	Sequence 1, Appli
c2217	13.2	0.5	19	1	US-08-973-137-4	Sequence 4, Appli
c2218	13.2	0.5	19	1	US-08-973-137-6	Sequence 6, Appli
c2219	13.2	0.5	19	1	US-08-973-137-7	Sequence 7, Appli
c2220	13.2	0.5	19	1	US-08-973-137-8	Sequence 8, Appli
c2221	13.2	0.5	19	1	US-08-973-137-9	Sequence 9, Appli
c2222	13.2	0.5	19	1	US-08-973-137-10	Sequence 10, Appl
c2223	13.2	0.5	19	1	US-08-973-137-13	Sequence 13, Appl
c2224	13.2	0.5	19	1	US-08-973-137-14	Sequence 14, Appl
c2225	13.2	0.5	19	1	US-08-973-137-15	Sequence 15, Appl
c2226	13.2	0.5	19	1	US-08-973-137-16	Sequence 16, Appl
c2227	13.2	0.5	19	1	PCT-US96-08320-1	Sequence 1, Appli
c2228	13.2	0.5	19	1	PCT-US96-08330-1	Sequence 1, Appli
2229	13.2	0.5	19	1	US-08-701-380-7	Sequence 7, Appli
c2230	13.2	0.5	19	1	US-07-936-163-20	Sequence 20, Appl
2231	13.2	0.5	19	1	US-08-483-122-3	Sequence 3, Appli
c2232	13.2	0.5	19	1	US-08-483-122-4	Sequence 4, Appli
c2233	13.2	0.5	19	1	US-08-351-365-7	Sequence 7, Appli
2234	13.2	0.5	19	1	US-08-486-648-3	Sequence 3, Appli
c2235	13.2	0.5	19	1	US-08-486-648-4	Sequence 4, Appli
2236	13.2	0.5	19	1	US-08-500-860A-10	Sequence 10, Appl
c2237	13.2	0.5	19	1	US-08-467-538-7	Sequence 7, Appli
2238	13.2	0.5	19	1	US-08-656-906-3	Sequence 3, Appli
2239	13.2	0.5	19	1	US-08-486-307-3	Sequence 3, Appli
c2240	13.2	0.5	19	1	US-08-486-307-4	Sequence 4, Appli
c2241	13.2	0.5	19	1	US-08-699-628-10	Sequence 10, Appl
2242	13.2	0.5	19	1	US-08-479-795-3	Sequence 3, Appli
c2243	13.2	0.5	19	1	US-08-479-795-4	Sequence 4, Appli
2244	13.2	0.5	19	1	US-09-032-365A-41	Sequence 41, Appl
c2245	13.2	0.5	19	1	US-08-729-601A-60	Sequence 60, Appl
2246	13.2	0.5	19	1	US-09-217-847-3	Sequence 3, Appli
c2247	13.2	0.5	19	1	US-08-557-006C-15	Sequence 15, Appl
2248	13.2	0.5	19	1	US-09-338-907-565	Sequence 565, App
2249	13.2	0.5	19	1	US-08-484-406-3	Sequence 3, Appli
c2250	13.2	0.5	19	1	US-08-484-406-4	Sequence 4, Appli
2251	13.2	0.5	19	1	US-09-218-207-565	Sequence 565, App
2252	13.2	0.5	19	1	US-08-294-312B-77	Sequence 77, Appl
c2253	13.2	0.5	19	1	US-09-097-319A-40	Sequence 40, Appl
2254	13.2	0.5	19	1	US-08-484-203-3	Sequence 3, Appli
c2255	13.2	0.5	19	1	US-08-484-203-4	Sequence 4, Appli
2256	13.2	0.5	19	1	US-09-345-882-105	Sequence 105, App
c2257	13.2	0.5	19	1	US-09-345-882-130	Sequence 130, App
2258	13.2	0.5	19	1	US-08-468-024B-77	Sequence 77, Appl
c2259	13.2	0.5	19	1	US-09-475-947A-12	Sequence 12, Appl
2260	13.2	0.5	19	1	US-08-486-313-3	Sequence 3, Appli
c2261	13.2	0.5	19	1	US-08-486-313-4	Sequence 4, Appli
2262	13.2	0.5	19	1	US-09-108-006C-28	Sequence 28, Appl
2263	13.2	0.5	19	1	US-09-422-978-4542	Sequence 4542, Ap
2264	13.2	0.5	19	1	US-09-422-978-6906	Sequence 6906, Ap
2265	13.2	0.5	19	1	US-09-422-978-10102	Sequence 10102, A
c2266	13.2	0.5	19	1	US-09-422-978-10254	Sequence 10254, A
2267	13.2	0.5	19	1	US-09-077-940A-19	Sequence 19, Appl
2268	13.2	0.5	19	1	US-08-465-679-77	Sequence 77, Appl
c2269	13.2	0.5	19	1	US-09-495-714C-63	Sequence 63, Appl
2270	13.2	0.5	20	1	US-09-823-634A-15	Sequence 15, Appl
2271	13.2	0.5	20	1	US-09-823-647B-15	Sequence 15, Appl
c2272	13.2	0.5	20	1	US-08-807-104-2	Sequence 2, Appli
c2273	13.2	0.5	20	1	US-08-480-068-2	Sequence 2, Appli
c2274	13.2	0.5	20	1	US-08-973-137-2	Sequence 2, Appli
2275	13.2	0.5	20	1	US-07-872-678A-18	Sequence 18, Appl
2276	13.2	0.5	20	1	US-08-255-561-1	Sequence 1, Appli
c2277	13.2	0.5	20	1	US-08-255-561-1	Sequence 1, Appli
c2278	13.2	0.5	20	1	US-08-271-946A-52	Sequence 52, Appl
c2279	13.2	0.5	20	1	US-08-271-942A-52	Sequence 52, Appl
2280	13.2	0.5	20	1	US-08-107-684B-37	Sequence 37, Appl
c2281	13.2	0.5	20	1	US-07-977-284A-79	Sequence 79, Appl
c2282	13.2	0.5	20	1	US-07-977-284A-158	Sequence 158, App
2283	13.2	0.5	20	1	US-07-991-199D-14	Sequence 14, Appl
c2284	13.2	0.5	20	1	US-08-222-177A-55	Sequence 55, Appl
c2285	13.2	0.5	20	1	US-08-222-177A-344	Sequence 344, App
c2286	13.2	0.5	20	1	US-08-222-177A-390	Sequence 390, App
c2287	13.2	0.5	20	1	US-08-245-758-4	Sequence 4, Appli
c2288	13.2	0.5	20	1	US-08-245-758-8	Sequence 8, Appli
c2289	13.2	0.5	20	1	US-08-411-796-533	Sequence 533, App
c2290	13.2	0.5	20	1	US-08-487-141B-65	Sequence 65, Appl
2291	13.2	0.5	20	1	US-08-379-680-10	Sequence 10, Appl
c2292	13.2	0.5	20	1	US-08-535-230A-10	Sequence 10, Appl
c2293	13.2	0.5	20	1	US-08-605-089-25	Sequence 25, Appl
2294	13.2	0.5	20	1	US-08-413-803-13	Sequence 13, Appl
c2295	13.2	0.5	20	1	US-08-440-787A-158	Sequence 158, App
c2296	13.2	0.5	20	1	US-08-122-456-2	Sequence 2, Appli

c2297	13.2	0.5	20	1	US-08-167-113-13	Sequence 13, Appl
2298	13.2	0.5	20	1	US-08-321-488A-13	Sequence 13, Appl
2299	13.2	0.5	20	1	US-08-594-600-1	Sequence 1, Appli
c2300	13.2	0.5	20	1	US-08-594-600-1	Sequence 1, Appli
c2301	13.2	0.5	20	1	US-08-628-422-16	Sequence 16, Appl
c2302	13.2	0.5	20	1	US-08-244-122-28	Sequence 28, Appl
c2303	13.2	0.5	20	1	US-08-927-561-65	Sequence 65, Appl
2304	13.2	0.5	20	1	US-08-478-178A-65	Sequence 65, Appl
2305	13.2	0.5	20	1	US-08-488-177-65	Sequence 65, Appl
c2306	13.2	0.5	20	1	US-08-463-418-8	Sequence 8, Appli
2307	13.2	0.5	20	1	US-08-481-072A-65	Sequence 65, Appl
2308	13.2	0.5	20	1	US-08-664-336-65	Sequence 65, Appl
c2309	13.2	0.5	20	1	US-08-256-426B-79	Sequence 79, Appl
c2310	13.2	0.5	20	1	US-08-256-426B-158	Sequence 158, App
c2311	13.2	0.5	20	1	US-09-044-506A-46	Sequence 46, Appl
2312	13.2	0.5	20	1	US-08-481-066A-65	Sequence 65, Appl
c2313	13.2	0.5	20	1	US-08-886-161-13	Sequence 13, Appl
c2314	13.2	0.5	20	1	US-08-837-201C-75	Sequence 75, Appl
2315	13.2	0.5	20	1	US-09-289-368-59	Sequence 59, Appl
c2316	13.2	0.5	20	1	US-09-289-368-69	Sequence 69, Appl
c2317	13.2	0.5	20	1	US-08-863-118-8	Sequence 8, Appli
c2318	13.2	0.5	20	1	US-08-471-039-533	Sequence 533, App
c2319	13.2	0.5	20	1	US-08-665-259-64	Sequence 64, Appl
c2320	13.2	0.5	20	1	US-08-762-500-64	Sequence 64, Appl
c2321	13.2	0.5	20	1	US-09-289-267-40	Sequence 40, Appl
2322	13.2	0.5	20	1	US-08-967-454-10	Sequence 10, Appl
2323	13.2	0.5	20	1	US-09-344-001-16	Sequence 16, Appl
2324	13.2	0.5	20	1	US-09-120-853-16	Sequence 16, Appl
c2325	13.2	0.5	20	1	US-08-779-916A-52	Sequence 52, Appl
2326	13.2	0.5	20	1	US-08-338-579A-52	Sequence 52, Appl
2327	13.2	0.5	20	1	US-09-359-757-14	Sequence 14, Appl
2328	13.2	0.5	20	1	US-09-359-757-15	Sequence 15, Appl
c2329	13.2	0.5	20	1	US-09-359-757-24	Sequence 24, Appl
2330	13.2	0.5	20	1	US-09-166-186-54	Sequence 54, Appl
c2331	13.2	0.5	20	1	US-09-344-914-14	Sequence 14, Appl
2332	13.2	0.5	20	1	US-09-344-914-48	Sequence 48, Appl
2333	13.2	0.5	20	1	US-09-344-914-49	Sequence 49, Appl
c2334	13.2	0.5	20	1	US-09-344-914-77	Sequence 77, Appl
c2335	13.2	0.5	20	1	US-08-795-430-30	Sequence 30, Appl
c2336	13.2	0.5	20	1	US-09-358-384-44	Sequence 44, Appl
c2337	13.2	0.5	20	1	US-09-418-640-15	Sequence 15, Appl
c2338	13.2	0.5	20	1	US-09-429-323-56	Sequence 56, Appl
c2339	13.2	0.5	20	1	US-08-765-340-29	Sequence 29, Appl
c2340	13.2	0.5	20	1	US-09-435-296-77	Sequence 77, Appl
2341	13.2	0.5	20	1	US-09-428-219-84	Sequence 84, Appl
c2342	13.2	0.5	20	1	US-09-517-584A-19	Sequence 19, Appl
2343	13.2	0.5	20	1	US-08-979-672-2	Sequence 2, Appli
2344	13.2	0.5	20	1	US-09-103-875-128	Sequence 128, App
2345	13.2	0.5	20	1	US-09-313-932-54	Sequence 54, Appl
c2346	13.2	0.5	20	1	US-09-313-932-358	Sequence 358, App
c2347	13.2	0.5	20	1	US-09-313-932-375	Sequence 375, App
2348	13.2	0.5	20	1	US-09-313-930-5	Sequence 5, Appli
2349	13.2	0.5	20	1	US-09-021-701-560	Sequence 560, App
c2350	13.2	0.5	20	1	US-09-487-445-94	Sequence 94, Appl
2351	13.2	0.5	20	1	US-09-377-309-75	Sequence 75, Appl
2352	13.2	0.5	20	1	US-09-487-368A-102	Sequence 102, App
c2353	13.2	0.5	20	1	US-09-487-368A-224	Sequence 224, App
c2354	13.2	0.5	20	1	US-08-750-232-52	Sequence 52, Appl
c2355	13.2	0.5	20	1	US-09-428-583-24	Sequence 24, Appl
c2356	13.2	0.5	20	1	US-09-428-583-87	Sequence 87, Appl
2357	13.2	0.5	20	1	US-09-593-711A-43	Sequence 43, Appl
2358	13.2	0.5	20	1	US-08-397-220B-44	Sequence 44, Appl
c2359	13.2	0.5	20	1	US-09-467-642-64	Sequence 64, Appl
c2360	13.2	0.5	20	1	US-09-593-589-19	Sequence 19, Appl
2361	13.2	0.5	20	1	US-09-593-589-60	Sequence 60, Appl
c2362	13.2	0.5	20	1	US-09-364-416-75	Sequence 75, Appl
2363	13.2	0.5	20	1	US-08-829-637A-65	Sequence 65, Appl
c2364	13.2	0.5	20	1	US-09-434-131A-8	Sequence 8, Appli
c2365	13.2	0.5	20	1	US-09-355-700-30	Sequence 30, Appl
2366	13.2	0.5	20	1	US-08-650-093C-44	Sequence 44, Appl
c2367	13.2	0.5	20	1	US-09-065-383-16	Sequence 16, Appl
c2368	13.2	0.5	20	1	US-09-167-109-56	Sequence 56, Appl
2369	13.2	0.5	20	1	US-09-792-594-37	Sequence 37, Appl
c2370	13.2	0.5	20	1	US-09-907-843-19	Sequence 19, Appl
c2371	13.2	0.5	20	1	US-09-907-843-31	Sequence 31, Appl
2372	13.2	0.5	20	1	US-09-470-443-102	Sequence 102, App
c2373	13.2	0.5	20	1	US-09-328-174A-85	Sequence 85, Appl
c2374	13.2	0.5	20	1	US-09-328-174A-86	Sequence 86, Appl
2375	13.2	0.5	20	1	US-09-771-530A-1	Sequence 1, Appli
c2376	13.2	0.5	20	1	US-09-517-467B-97	Sequence 97, Appl
2377	13.2	0.5	20	1	US-09-517-467B-297	Sequence 297, App
c2378	13.2	0.5	20	1	US-09-780-173A-18	Sequence 18, Appl
c2379	13.2	0.5	20	1	US-09-780-173A-23	Sequence 23, Appl
2380	13.2	0.5	20	1	US-09-920-672-80	Sequence 80, Appl
c2381	13.2	0.5	20	1	US-09-706-197-83	Sequence 83, Appl
c2382	13.2	0.5	20	1	US-08-559-390-533	Sequence 533, App
c2383	13.2	0.5	20	1	US-09-725-265-33	Sequence 33, Appl
c2384	13.2	0.5	20	1	US-09-659-845A-146	Sequence 146, App
c2385	13.2	0.5	20	1	US-09-733-294A-42	Sequence 42, Appl
2386	13.2	0.5	20	1	US-09-629-644A-102	Sequence 102, App
2387	13.2	0.5	20	1	US-09-629-644A-102	Sequence 102, App
c2388	13.2	0.5	20	1	US-09-629-644A-224	Sequence 224, App
2389	13.2	0.5	20	1	US-09-216-393B-320	Sequence 320, App
c2390	13.2	0.5	20	1	US-09-422-978-4087	Sequence 4087, Ap
c2391	13.2	0.5	20	1	US-09-422-978-4188	Sequence 4188, Ap
c2392	13.2	0.5	20	1	US-09-422-978-4995	Sequence 4995, Ap
2393	13.2	0.5	20	1	US-09-422-978-7152	Sequence 7152, Ap
c2394	13.2	0.5	20	1	US-09-422-978-10558	Sequence 10558, A
2395	13.2	0.5	20	1	US-10-025-139-65	Sequence 65, Appl
c2396	13.2	0.5	20	1	US-09-198-452A-1828	Sequence 1828, Ap
2397	13.2	0.5	20	1	US-09-198-452A-2037	Sequence 2037, Ap
2398	13.2	0.5	20	1	US-09-198-452A-2313	Sequence 2313, Ap
c2399	13.2	0.5	20	1	US-09-198-452A-2530	Sequence 2530, Ap
c2400	13.2	0.5	20	1	US-09-198-452A-2581	Sequence 2581, Ap
2401	13.2	0.5	20	1	US-09-198-452A-4019	Sequence 4019, Ap
c2402	13.2	0.5	20	1	US-09-198-452A-5039	Sequence 5039, Ap
c2403	13.2	0.5	20	1	US-09-198-452A-5130	Sequence 5130, Ap
2404	13.2	0.5	20	1	US-09-198-452A-6118	Sequence 6118, Ap
2405	13.2	0.5	20	1	US-09-198-452A-6292	Sequence 6292, Ap
c2406	13.2	0.5	20	1	US-09-198-452A-6579	Sequence 6579, Ap
c2407	13.2	0.5	20	1	US-09-198-452A-6757	Sequence 6757, Ap
c2408	13.2	0.5	20	1	US-09-843-376-71	Sequence 71, Appl
c2409	13.2	0.5	20	1	US-09-922-146-43	Sequence 43, Appl
2410	13.2	0.5	20	1	US-09-922-146-46	Sequence 46, Appl
c2411	13.2	0.5	20	1	US-09-679-299A-51	Sequence 51, Appl
c2412	13.2	0.5	20	1	US-09-625-972-1	Sequence 1, Appli
2413	13.2	0.5	20	1	US-10-072-094-56	Sequence 56, Appl
2414	13.2	0.5	20	1	US-10-072-094-58	Sequence 58, Appl
c2415	13.2	0.5	20	1	US-10-072-094-59	Sequence 59, Appl
2416	13.2	0.5	20	1	US-10-072-094-79	Sequence 79, Appl
2417	13.2	0.5	20	1	US-09-780-045-32	Sequence 32, Appl
c2418	13.2	0.5	20	1	US-08-944-410-10	Sequence 10, Appl
c2419	13.2	0.5	20	1	US-09-486-147-21	Sequence 21, Appl
2420	13.2	0.5	20	1	US-09-920-868A-12	Sequence 12, Appl
c2421	13.2	0.5	20	1	US-09-860-473-69	Sequence 69, Appl
2422	13.2	0.5	20	1	US-09-980-052-162	Sequence 162, App
2423	13.2	0.5	20	1	US-09-980-052-239	Sequence 239, App
2424	13.2	0.5	20	1	US-09-495-714C-85	Sequence 85, Appl
c2425	13.2	0.5	20	1	PCT-US93-11198-533	Sequence 533, App
2426	13.2	0.5	20	1	PCT-US94-09851-52	Sequence 52, Appl
2427	13.2	0.5	20	1	PCT-US95-03776-13	Sequence 13, Appl
c2428	13.2	0.5	20	1	PCT-US95-05134-4	Sequence 4, Appli
c2429	13.2	0.5	20	1	PCT-US95-05134-8	Sequence 8, Appli
c2430	13.2	0.5	20	1	PCT-US95-08604-52	Sequence 52, Appl
c2431	13.2	0.5	20	1	PCT-US95-08606-52	Sequence 52, Appl
c2432	13.2	0.5	20	1	PCT-US96-09388-65	Sequence 65, Appl
c2433	13.2	0.5	21	1	US-09-733-444-13	Sequence 13, Appl
c2434	13.2	0.5	22	1	US-08-235-180-19	Sequence 19, Appl
c2435	13.2	0.5	22	1	US-08-235-180-20	Sequence 20, Appl
c2436	13.2	0.5	22	1	US-08-235-180-21	Sequence 21, Appl
c2437	13.2	0.5	22	1	US-08-332-420-1	Sequence 1, Appli
c2438	13.2	0.5	22	1	US-08-332-420-2	Sequence 2, Appli
c2439	13.2	0.5	22	1	US-08-332-420-3	Sequence 3, Appli
c2440	13.2	0.5	22	1	US-09-199-865-3	Sequence 3, Appli
c2441	13	0.5	13	1	US-07-850-343A-5	Sequence 5, Appli
c2442	13	0.5	13	1	US-08-351-748-10	Sequence 10, Appl

c2443	13	0.5	13	1	US-08-430-536A-10	Sequence 10, Appl
c2444	13	0.5	13	1	US-08-486-955A-1	Sequence 1, Appli
2445	13	0.5	13	1	US-08-745-269-3	Sequence 3, Appli
c2446	13	0.5	13	1	US-08-745-269-3	Sequence 3, Appli
2447	13	0.5	13	1	US-08-745-269-4	Sequence 4, Appli
c2448	13	0.5	13	1	US-08-745-269-4	Sequence 4, Appli
2449	13	0.5	13	1	US-08-434-705B-2	Sequence 2, Appli
c2450	13	0.5	13	1	US-08-684-547-10	Sequence 10, Appl
2451	13	0.5	13	1	US-09-086-201-2	Sequence 2, Appli
c2452	13	0.5	13	1	US-08-680-506-15	Sequence 15, Appl
2453	13	0.5	13	1	US-09-305-223-1	Sequence 1, Appli
c2454	13	0.5	13	1	US-09-305-223-1	Sequence 1, Appli
2455	13	0.5	13	1	US-09-068-860-15	Sequence 15, Appl
c2456	13	0.5	13	1	US-09-068-860-15	Sequence 15, Appl
2457	13	0.5	13	1	US-09-352-540A-6	Sequence 6, Appli
c2458	13	0.5	13	1	US-09-352-540A-6	Sequence 6, Appli
2459	13	0.5	13	1	US-09-799-645-6	Sequence 6, Appli
c2460	13	0.5	13	1	US-09-799-645-6	Sequence 6, Appli
2461	13	0.5	13	1	US-08-985-492-17	Sequence 17, Appl
2462	13	0.5	13	1	US-09-619-103-19	Sequence 19, Appl
c2463	13	0.5	13	1	US-09-619-103-19	Sequence 19, Appl
2464	13	0.5	13	1	US-10-002-528-6	Sequence 6, Appli
c2465	13	0.5	13	1	US-10-002-528-6	Sequence 6, Appli
2466	13	0.5	13	1	US-09-377-497-56	Sequence 56, Appl
c2467	13	0.5	13	1	US-09-377-497-59	Sequence 59, Appl
2468	13	0.5	13	1	US-09-377-497-62	Sequence 62, Appl
c2469	13	0.5	13	1	PCT-US93-02246-10	Sequence 10, Appl
2470	13	0.5	14	1	US-09-475-947A-94	Sequence 94, Appl
2471	13	0.5	14	1	US-08-332-838-3	Sequence 3, Appli
2472	13	0.5	14	1	US-08-832-021-6	Sequence 6, Appli
2473	13	0.5	14	1	US-08-832-021-7	Sequence 7, Appli
2474	13	0.5	14	1	US-08-832-021-8	Sequence 8, Appli
c2475	13	0.5	14	1	US-08-832-021-10	Sequence 10, Appl
c2476	13	0.5	14	1	US-08-832-021-11	Sequence 11, Appl
c2477	13	0.5	14	1	US-08-832-021-12	Sequence 12, Appl
2478	13	0.5	14	1	US-08-832-021-13	Sequence 13, Appl
2479	13	0.5	14	1	US-08-724-466B-13	Sequence 13, Appl
2480	13	0.5	14	1	US-08-724-466B-16	Sequence 16, Appl
2481	13	0.5	14	1	US-08-724-466B-18	Sequence 18, Appl
2482	13	0.5	14	1	US-08-724-466B-19	Sequence 19, Appl
c2483	13	0.5	14	1	US-08-724-466B-20	Sequence 20, Appl
c2484	13	0.5	14	1	US-08-724-466B-22	Sequence 22, Appl
c2485	13	0.5	14	1	US-08-724-466B-23	Sequence 23, Appl
2486	13	0.5	14	1	US-08-893-764-3	Sequence 3, Appli
2487	13	0.5	14	1	US-08-787-321-6	Sequence 6, Appli
2488	13	0.5	14	1	US-08-991-789A-130	Sequence 130, App
2489	13	0.5	14	1	US-08-882-164D-13	Sequence 13, Appl
2490	13	0.5	14	1	US-08-882-164D-16	Sequence 16, Appl
2491	13	0.5	14	1	US-08-882-164D-18	Sequence 18, Appl
2492	13	0.5	14	1	US-08-882-164D-19	Sequence 19, Appl
c2493	13	0.5	14	1	US-08-882-164D-20	Sequence 20, Appl
c2494	13	0.5	14	1	US-08-882-164D-22	Sequence 22, Appl
c2495	13	0.5	14	1	US-08-882-164D-23	Sequence 23, Appl
2496	13	0.5	14	1	US-09-062-451-130	Sequence 130, App
2497	13	0.5	14	1	US-09-598-326-130	Sequence 130, App
2498	13	0.5	14	1	US-09-370-838-47	Sequence 47, Appl
2499	13	0.5	14	1	US-09-151-771B-19	Sequence 19, Appl
c2500	13	0.5	14	1	US-09-151-771B-19	Sequence 19, Appl
2501	13	0.5	14	1	US-09-151-771B-20	Sequence 20, Appl
c2502	13	0.5	14	1	US-09-151-771B-20	Sequence 20, Appl
c2503	13	0.5	14	1	US-09-151-771B-21	Sequence 21, Appl
2504	13	0.5	14	1	US-09-289-198-130	Sequence 130, App
2505	13	0.5	14	1	US-09-429-755-130	Sequence 130, App
2506	13	0.5	15	1	US-08-832-021-29	Sequence 29, Appl
2507	13	0.5	15	1	US-08-292-620A-359	Sequence 359, App
c2508	13	0.5	15	1	US-08-292-620A-359	Sequence 359, App
c2509	13	0.5	15	1	US-08-292-620A-366	Sequence 366, App
2510	13	0.5	15	1	US-08-832-021-27	Sequence 27, Appl
2511	13	0.5	15	1	US-08-832-021-28	Sequence 28, Appl
2512	13	0.5	15	1	US-08-832-021-31	Sequence 31, Appl
c2513	13	0.5	15	1	US-08-832-021-34	Sequence 34, Appl
c2514	13	0.5	15	1	US-08-832-021-35	Sequence 35, Appl
c2515	13	0.5	15	1	US-08-832-021-36	Sequence 36, Appl
2516	13	0.5	15	1	US-08-832-021-41	Sequence 41, Appl
2517	13	0.5	15	1	US-08-832-021-43	Sequence 43, Appl
2518	13	0.5	15	1	US-08-832-021-44	Sequence 44, Appl
c2519	13	0.5	15	1	US-08-832-021-46	Sequence 46, Appl
c2520	13	0.5	15	1	US-08-832-021-47	Sequence 47, Appl
c2521	13	0.5	15	1	US-08-832-021-48	Sequence 48, Appl
2522	13	0.5	15	1	US-08-832-021-55	Sequence 55, Appl
c2523	13	0.5	15	1	US-08-832-021-59	Sequence 59, Appl
2524	13	0.5	15	1	US-09-071-845-359	Sequence 359, App
c2525	13	0.5	15	1	US-09-071-845-359	Sequence 359, App
c2526	13	0.5	15	1	US-09-071-845-366	Sequence 366, App
2527	13	0.5	15	1	US-09-081-646-113	Sequence 113, App
2528	13	0.5	16	1	US-08-283-591-17	Sequence 17, Appl
2529	13	0.5	16	1	US-08-088-658-35	Sequence 35, Appl
2530	13	0.5	16	1	US-08-947-317-4	Sequence 4, Appli
2531	13	0.5	16	1	US-08-471-907A-35	Sequence 35, Appl
2532	13	0.5	16	1	US-08-088-661F-10	Sequence 10, Appl
2533	13	0.5	16	1	US-08-150-156A-22	Sequence 22, Appl
2534	13	0.5	16	1	US-08-108-591B-2	Sequence 2, Appli
2535	13	0.5	16	1	US-09-479-005A-250	Sequence 250, App
c2536	13	0.5	17	1	US-08-584-040-2547	Sequence 2547, Ap
c2537	13	0.5	17	1	US-09-371-772B-1071	Sequence 1071, Ap
c2538	13	0.5	17	1	US-08-129-719-8	Sequence 8, Appli
c2539	13	0.5	17	1	US-08-379-078-471	Sequence 471, App
c2540	13	0.5	17	1	US-08-306-871-8	Sequence 8, Appli
c2541	13	0.5	17	1	US-08-569-959-8	Sequence 8, Appli
c2542	13	0.5	17	1	US-09-018-138-13	Sequence 13, Appl
2543	13	0.5	17	1	US-09-021-701-113	Sequence 113, App
2544	13	0.5	17	1	US-09-021-701-114	Sequence 114, App
c2545	13	0.5	17	1	US-07-974-409C-84	Sequence 84, Appl
2546	13	0.5	17	1	US-08-584-040-2183	Sequence 2183, Ap
2547	13	0.5	17	1	US-08-584-040-2865	Sequence 2865, Ap
2548	13	0.5	17	1	US-09-371-772B-728	Sequence 728, App
2549	13	0.5	17	1	US-09-371-772B-1389	Sequence 1389, Ap
c2550	13	0.5	17	1	US-09-371-772B-5429	Sequence 5429, Ap
c2551	13	0.5	17	1	US-09-371-772B-5430	Sequence 5430, Ap
2552	13	0.5	17	1	US-09-827-998-1725	Sequence 1725, Ap
2553	13	0.5	17	1	US-09-866-108A-2674	Sequence 2674, Ap
2554	13	0.5	17	1	US-09-866-108A-2675	Sequence 2675, Ap
2555	13	0.5	17	1	US-09-866-108A-10729	Sequence 10729, A
2556	13	0.5	17	1	US-09-866-108A-10730	Sequence 10730, A
c2557	13	0.5	17	1	PCT-US93-00977-84	Sequence 84, Appl
c2558	13	0.5	18	1	US-09-725-265-48	Sequence 48, Appl
2559	13	0.5	18	1	US-08-311-486C-11	Sequence 11, Appl
2560	13	0.5	18	1	US-08-311-486C-13	Sequence 13, Appl
2561	13	0.5	18	1	US-08-311-486C-1153	Sequence 1153, Ap
2562	13	0.5	18	1	US-08-773-297-21	Sequence 21, Appl
2563	13	0.5	18	1	US-08-773-297-23	Sequence 23, Appl
c2564	13	0.5	18	1	US-09-205-921-8	Sequence 8, Appli
2565	13	0.5	18	1	US-09-098-293-21	Sequence 21, Appl
2566	13	0.5	18	1	US-09-098-293-23	Sequence 23, Appl
2567	13	0.5	18	1	US-08-483-511-62	Sequence 62, Appl
2568	13	0.5	18	1	US-09-507-819-72	Sequence 72, Appl
c2569	13	0.5	18	1	US-09-422-978-4473	Sequence 4473, Ap
2570	13	0.5	18	1	US-09-422-978-8593	Sequence 8593, Ap
2571	13	0.5	18	1	US-09-641-576-72	Sequence 72, Appl
c2572	13	0.5	19	1	US-08-899-029-1	Sequence 1, Appli
c2573	13	0.5	19	1	US-08-750-088A-54	Sequence 54, Appl
c2574	13	0.5	19	1	US-08-948-113D-2	Sequence 2, Appli
c2575	13	0.5	19	1	US-09-722-319-54	Sequence 54, Appl
2576	13	0.5	20	1	US-08-371-121-19	Sequence 19, Appl
2577	13	0.5	20	1	US-07-927-391-20	Sequence 20, Appl
2578	13	0.5	20	1	US-08-858-876A-6	Sequence 6, Appli
2579	13	0.5	20	1	US-09-472-880-6	Sequence 6, Appli
c2580	13	0.5	20	1	US-08-088-658-33	Sequence 33, Appl
c2581	13	0.5	20	1	US-08-471-907A-33	Sequence 33, Appl
c2582	13	0.5	20	1	US-09-422-978-8908	Sequence 8908, Ap
c2583	13	0.5	20	1	US-07-872-644-1	Sequence 1, Appli
2584	13	0.5	20	1	US-08-474-542A-112	Sequence 112, App
c2585	13	0.5	20	1	US-08-474-542A-118	Sequence 118, App
c2586	13	0.5	20	1	US-08-297-494-1	Sequence 1, Appli
2587	13	0.5	20	1	US-08-427-863-8	Sequence 8, Appli
c2588	13	0.5	20	1	US-08-427-863-8	Sequence 8, Appli

c2589	13	0.5	20	1	US-08-297-510-1	Sequence 1, Appli
2590	13	0.5	20	1	US-08-457-648-112	Sequence 112, App
c2591	13	0.5	20	1	US-08-457-648-118	Sequence 118, App
c2592	13	0.5	20	1	US-08-479-532-1	Sequence 1, Appli
c2593	13	0.5	20	1	US-08-455-526-1	Sequence 1, Appli
c2594	13	0.5	20	1	US-08-455-525-1	Sequence 1, Appli
2595	13	0.5	20	1	US-08-954-333-3	Sequence 3, Appli
c2596	13	0.5	20	1	US-09-139-491-1	Sequence 1, Appli
2597	13	0.5	20	1	US-08-763-417-7	Sequence 7, Appli
c2598	13	0.5	20	1	US-08-763-417-7	Sequence 7, Appli
2599	13	0.5	20	1	US-09-289-267-111	Sequence 111, App
2600	13	0.5	20	1	US-08-954-536-8	Sequence 8, Appli
2601	13	0.5	20	1	US-08-687-421-329	Sequence 329, App
c2602	13	0.5	20	1	US-09-338-907-96	Sequence 96, Appl
c2603	13	0.5	20	1	US-09-488-074-5	Sequence 5, Appli
c2604	13	0.5	20	1	US-09-218-207-96	Sequence 96, Appl
2605	13	0.5	20	1	US-09-716-161A-77	Sequence 77, Appl
2606	13	0.5	20	1	US-09-658-687A-12	Sequence 12, Appl
c2607	13	0.5	20	1	US-08-108-591B-40	Sequence 40, Appl
2608	13	0.5	20	1	US-08-108-591B-41	Sequence 41, Appl
c2609	13	0.5	20	1	US-08-882-322-3	Sequence 3, Appli
c2610	13	0.5	20	1	US-09-657-452A-77	Sequence 77, Appl
c2611	13	0.5	20	1	US-09-579-791-7	Sequence 7, Appli
2612	13	0.5	20	1	US-09-422-978-10493	Sequence 10493, A
c2613	13	0.5	20	1	US-09-883-825-1	Sequence 1, Appli
c2614	13	0.5	20	1	PCT-US92-03222-1	Sequence 1, Appli
2615	13	0.5	20	1	PCT-US94-06799-7	Sequence 7, Appli
c2616	13	0.5	20	1	PCT-US94-06799-7	Sequence 7, Appli
c2617	13	0.5	21	1	US-08-128-011-4	Sequence 4, Appli
c2618	13	0.5	21	1	US-08-403-888A-142	Sequence 142, App
c2619	13	0.5	22	1	US-08-499-899-1	Sequence 1, Appli
c2620	13	0.5	22	1	US-08-964-143-1	Sequence 1, Appli
2621	12.8	0.5	16	1	US-08-152-313-97	Sequence 97, Appl
2622	12.8	0.5	16	1	US-08-311-760A-374	Sequence 374, App
2623	12.8	0.5	16	1	US-08-311-760A-382	Sequence 382, App
c2624	12.8	0.5	16	1	US-08-283-591-16	Sequence 16, Appl
2625	12.8	0.5	16	1	US-08-283-591-19	Sequence 19, Appl
c2626	12.8	0.5	16	1	US-08-283-591-25	Sequence 25, Appl
c2627	12.8	0.5	16	1	US-08-088-658-34	Sequence 34, Appl
2628	12.8	0.5	16	1	US-08-088-658-37	Sequence 37, Appl
2629	12.8	0.5	16	1	US-08-431-080-3	Sequence 3, Appli
2630	12.8	0.5	16	1	US-08-579-223-97	Sequence 97, Appl
2631	12.8	0.5	16	1	US-08-590-571-38	Sequence 38, Appl
2632	12.8	0.5	16	1	US-08-774-310-374	Sequence 374, App
2633	12.8	0.5	16	1	US-08-774-310-382	Sequence 382, App
2634	12.8	0.5	16	1	US-08-938-534-3	Sequence 3, Appli
c2635	12.8	0.5	16	1	US-08-656-906-2	Sequence 2, Appli
c2636	12.8	0.5	16	1	US-08-471-907A-34	Sequence 34, Appl
2637	12.8	0.5	16	1	US-08-471-907A-37	Sequence 37, Appl
2638	12.8	0.5	16	1	US-08-906-691-25	Sequence 25, Appl
c2639	12.8	0.5	16	1	US-09-217-847-2	Sequence 2, Appli
c2640	12.8	0.5	16	1	US-08-088-661F-9	Sequence 9, Appli
2641	12.8	0.5	16	1	US-08-088-661F-32	Sequence 32, Appl
c2642	12.8	0.5	16	1	US-09-275-850-350	Sequence 350, App
c2643	12.8	0.5	16	1	US-08-150-156A-21	Sequence 21, Appl
2644	12.8	0.5	16	1	US-08-150-156A-30	Sequence 30, Appl
2645	12.8	0.5	16	1	US-08-420-672-17	Sequence 17, Appl
2646	12.8	0.5	16	1	US-09-345-294-3	Sequence 3, Appli
c2647	12.8	0.5	16	1	US-08-108-591B-1	Sequence 1, Appli
2648	12.8	0.5	16	1	US-08-108-591B-30	Sequence 30, Appl
2649	12.8	0.5	16	1	US-09-371-772B-5738	Sequence 5738, Ap
2650	12.8	0.5	16	1	PCT-US94-12947A-97	Sequence 97, Appl
2651	12.8	0.5	17	1	US-08-584-040-2555	Sequence 2555, Ap
2652	12.8	0.5	17	1	US-09-371-772B-1079	Sequence 1079, Ap
c2653	12.8	0.5	17	1	US-09-474-432B-558	Sequence 558, App
c2654	12.8	0.5	17	1	US-09-474-432B-559	Sequence 559, App
c2655	12.8	0.5	17	1	US-09-476-387-557	Sequence 557, App
c2656	12.8	0.5	17	1	US-09-476-387-558	Sequence 558, App
c2657	12.8	0.5	17	1	US-09-827-998-483	Sequence 483, App
2658	12.8	0.5	17	1	US-08-288-405A-12	Sequence 12, Appl
2659	12.8	0.5	17	1	US-08-179-738-23	Sequence 23, Appl
c2660	12.8	0.5	17	1	US-08-146-504-22	Sequence 22, Appl
c2661	12.8	0.5	17	1	US-08-390-850-602	Sequence 602, App
2662	12.8	0.5	17	1	US-08-390-850-679	Sequence 679, App
2663	12.8	0.5	17	1	US-07-976-103A-42	Sequence 42, Appl
2664	12.8	0.5	17	1	US-08-373-124A-518	Sequence 518, App
2665	12.8	0.5	17	1	US-08-373-124A-2147	Sequence 2147, Ap
2666	12.8	0.5	17	1	US-08-373-124A-2149	Sequence 2149, Ap
c2667	12.8	0.5	17	1	US-08-373-124A-2177	Sequence 2177, Ap
c2668	12.8	0.5	17	1	US-08-435-634-602	Sequence 602, App
2669	12.8	0.5	17	1	US-08-435-634-679	Sequence 679, App
2670	12.8	0.5	17	1	US-08-435-628-518	Sequence 518, App
2671	12.8	0.5	17	1	US-08-435-628-2147	Sequence 2147, Ap
2672	12.8	0.5	17	1	US-08-435-628-2149	Sequence 2149, Ap
c2673	12.8	0.5	17	1	US-08-435-628-2177	Sequence 2177, Ap
2674	12.8	0.5	17	1	US-08-473-481-42	Sequence 42, Appl
2675	12.8	0.5	17	1	US-08-628-145-23	Sequence 23, Appl
c2676	12.8	0.5	17	1	US-08-725-976-22	Sequence 22, Appl
c2677	12.8	0.5	17	1	US-08-822-028-34	Sequence 34, Appl
c2678	12.8	0.5	17	1	US-08-271-882B-22	Sequence 22, Appl
2679	12.8	0.5	17	1	US-08-985-162-425	Sequence 425, App
2680	12.8	0.5	17	1	US-08-985-162-545	Sequence 545, App
2681	12.8	0.5	17	1	US-08-985-162-546	Sequence 546, App
2682	12.8	0.5	17	1	US-08-985-162-661	Sequence 661, App
2683	12.8	0.5	17	1	US-08-985-162-663	Sequence 663, App
c2684	12.8	0.5	17	1	US-08-894-731-5	Sequence 5, Appli
c2685	12.8	0.5	17	1	US-08-479-285-34	Sequence 34, Appl
c2686	12.8	0.5	17	1	US-08-726-278-22	Sequence 22, Appl
2687	12.8	0.5	17	1	US-09-037-990B-75	Sequence 75, Appl
c2688	12.8	0.5	17	1	US-08-584-040-1469	Sequence 1469, Ap
2689	12.8	0.5	17	1	US-08-584-040-1522	Sequence 1522, Ap
2690	12.8	0.5	17	1	US-08-584-040-1523	Sequence 1523, Ap
c2691	12.8	0.5	17	1	US-08-584-040-2204	Sequence 2204, Ap
c2692	12.8	0.5	17	1	US-08-584-040-2233	Sequence 2233, Ap
c2693	12.8	0.5	17	1	US-08-584-040-2234	Sequence 2234, Ap
2694	12.8	0.5	17	1	US-08-584-040-2518	Sequence 2518, Ap
c2695	12.8	0.5	17	1	US-08-584-040-2558	Sequence 2558, Ap
c2696	12.8	0.5	17	1	US-08-584-040-3795	Sequence 3795, Ap
2697	12.8	0.5	17	1	US-08-584-040-4357	Sequence 4357, Ap
c2698	12.8	0.5	17	1	US-08-584-040-6032	Sequence 6032, Ap
c2699	12.8	0.5	17	1	US-08-584-040-7682	Sequence 7682, Ap
2700	12.8	0.5	17	1	US-08-584-040-7816	Sequence 7816, Ap
2701	12.8	0.5	17	1	US-08-584-040-7817	Sequence 7817, Ap
2702	12.8	0.5	17	1	US-08-584-040-7820	Sequence 7820, Ap
c2703	12.8	0.5	17	1	US-08-584-040-7820	Sequence 7820, Ap
2704	12.8	0.5	17	1	US-08-584-040-7949	Sequence 7949, Ap
c2705	12.8	0.5	17	1	US-08-679-645-706	Sequence 706, App
c2706	12.8	0.5	17	1	US-08-679-645-720	Sequence 720, App
2707	12.8	0.5	17	1	US-08-599-738A-42	Sequence 42, Appl
c2708	12.8	0.5	17	1	US-09-479-122-32	Sequence 32, Appl
2709	12.8	0.5	17	1	US-09-220-510B-1	Sequence 1, Appli
c2710	12.8	0.5	17	1	US-09-343-698-2	Sequence 2, Appli
2711	12.8	0.5	17	1	US-09-108-006C-44	Sequence 44, Appl
2712	12.8	0.5	17	1	US-09-108-006C-45	Sequence 45, Appl
2713	12.8	0.5	17	1	US-09-108-006C-46	Sequence 46, Appl
2714	12.8	0.5	17	1	US-09-108-006C-47	Sequence 47, Appl
2715	12.8	0.5	17	1	US-09-108-006C-50	Sequence 50, Appl
2716	12.8	0.5	17	1	US-09-108-006C-51	Sequence 51, Appl
c2717	12.8	0.5	17	1	US-09-484-997-32	Sequence 32, Appl
c2718	12.8	0.5	17	1	US-09-481-355-32	Sequence 32, Appl
c2719	12.8	0.5	17	1	US-09-474-432B-312	Sequence 312, App
2720	12.8	0.5	17	1	US-09-474-432B-472	Sequence 472, App
c2721	12.8	0.5	17	1	US-09-474-432B-590	Sequence 590, App
c2722	12.8	0.5	17	1	US-09-481-282-32	Sequence 32, Appl
c2723	12.8	0.5	17	1	US-09-371-772B-14	Sequence 14, Appl
2724	12.8	0.5	17	1	US-09-371-772B-67	Sequence 67, Appl
2725	12.8	0.5	17	1	US-09-371-772B-68	Sequence 68, Appl
c2726	12.8	0.5	17	1	US-09-371-772B-749	Sequence 749, App
c2727	12.8	0.5	17	1	US-09-371-772B-778	Sequence 778, App
c2728	12.8	0.5	17	1	US-09-371-772B-779	Sequence 779, App
2729	12.8	0.5	17	1	US-09-371-772B-1042	Sequence 1042, Ap
c2730	12.8	0.5	17	1	US-09-371-772B-1082	Sequence 1082, Ap
c2731	12.8	0.5	17	1	US-09-371-772B-1562	Sequence 1562, Ap
2732	12.8	0.5	17	1	US-09-371-772B-2124	Sequence 2124, Ap
c2733	12.8	0.5	17	1	US-09-371-772B-2869	Sequence 2869, Ap
c2734	12.8	0.5	17	1	US-09-371-772B-3467	Sequence 3467, Ap

2735	12.8	0.5	17	1	US-09-371-772B-3600	Sequence 3600, Ap
2736	12.8	0.5	17	1	US-09-371-772B-3601	Sequence 3601, Ap
2737	12.8	0.5	17	1	US-09-371-772B-3604	Sequence 3604, Ap
c2738	12.8	0.5	17	1	US-09-371-772B-3604	Sequence 3604, Ap
2739	12.8	0.5	17	1	US-09-371-772B-3732	Sequence 3732, Ap
2740	12.8	0.5	17	1	US-09-371-772B-4176	Sequence 4176, Ap
2741	12.8	0.5	17	1	US-09-371-772B-4182	Sequence 4182, Ap
c2742	12.8	0.5	17	1	US-09-371-772B-4184	Sequence 4184, Ap
2743	12.8	0.5	17	1	US-09-371-772B-4186	Sequence 4186, Ap
c2744	12.8	0.5	17	1	US-09-371-772B-4188	Sequence 4188, Ap
c2745	12.8	0.5	17	1	US-09-371-772B-4232	Sequence 4232, Ap
c2746	12.8	0.5	17	1	US-09-371-772B-5116	Sequence 5116, Ap
c2747	12.8	0.5	17	1	US-09-371-772B-5263	Sequence 5263, Ap
2748	12.8	0.5	17	1	US-09-371-772B-6813	Sequence 6813, Ap
c2749	12.8	0.5	17	1	US-09-455-659A-32	Sequence 32, Appl
c2750	12.8	0.5	17	1	US-08-325-955-2	Sequence 2, Appli
c2751	12.8	0.5	17	1	US-09-476-387-311	Sequence 311, App
2752	12.8	0.5	17	1	US-09-476-387-471	Sequence 471, App
c2753	12.8	0.5	17	1	US-09-476-387-589	Sequence 589, App
c2754	12.8	0.5	17	1	US-09-484-996-32	Sequence 32, Appl
2755	12.8	0.5	17	1	US-09-401-063-425	Sequence 425, App
2756	12.8	0.5	17	1	US-09-401-063-545	Sequence 545, App
2757	12.8	0.5	17	1	US-09-401-063-546	Sequence 546, App
2758	12.8	0.5	17	1	US-09-401-063-661	Sequence 661, App
2759	12.8	0.5	17	1	US-09-401-063-663	Sequence 663, App
c2760	12.8	0.5	17	1	US-09-503-653A-34	Sequence 34, Appl
c2761	12.8	0.5	17	1	US-09-827-998-211	Sequence 211, App
c2762	12.8	0.5	17	1	US-09-827-998-213	Sequence 213, App
2763	12.8	0.5	17	1	US-09-827-998-311	Sequence 311, App
2764	12.8	0.5	17	1	US-09-827-998-312	Sequence 312, App
2765	12.8	0.5	17	1	US-09-827-998-482	Sequence 482, App
2766	12.8	0.5	17	1	US-09-827-998-485	Sequence 485, App
c2767	12.8	0.5	17	1	US-09-827-998-485	Sequence 485, App
2768	12.8	0.5	17	1	US-09-827-998-1716	Sequence 1716, Ap
c2769	12.8	0.5	17	1	US-09-479-123-32	Sequence 32, Appl
2770	12.8	0.5	17	1	US-09-866-108A-905	Sequence 905, App
2771	12.8	0.5	17	1	US-09-866-108A-906	Sequence 906, App
c2772	12.8	0.5	17	1	US-09-866-108A-1345	Sequence 1345, Ap
c2773	12.8	0.5	17	1	US-09-866-108A-1347	Sequence 1347, Ap
c2774	12.8	0.5	17	1	US-09-866-108A-1580	Sequence 1580, Ap
c2775	12.8	0.5	17	1	US-09-866-108A-1581	Sequence 1581, Ap
2776	12.8	0.5	17	1	US-09-866-108A-1817	Sequence 1817, Ap
2777	12.8	0.5	17	1	US-09-866-108A-1818	Sequence 1818, Ap
c2778	12.8	0.5	17	1	US-09-866-108A-2063	Sequence 2063, Ap
2779	12.8	0.5	17	1	US-09-866-108A-2669	Sequence 2669, Ap
2780	12.8	0.5	17	1	US-09-866-108A-5937	Sequence 5937, Ap
2781	12.8	0.5	17	1	US-09-866-108A-5940	Sequence 5940, Ap
2782	12.8	0.5	17	1	US-09-866-108A-6082	Sequence 6082, Ap
2783	12.8	0.5	17	1	US-09-866-108A-6083	Sequence 6083, Ap
c2784	12.8	0.5	17	1	US-09-866-108A-7641	Sequence 7641, Ap
c2785	12.8	0.5	17	1	US-09-866-108A-7644	Sequence 7644, Ap
2786	12.8	0.5	17	1	US-09-866-108A-7696	Sequence 7696, Ap
2787	12.8	0.5	17	1	US-09-866-108A-7698	Sequence 7698, Ap
2788	12.8	0.5	17	1	US-09-866-108A-7957	Sequence 7957, Ap
2789	12.8	0.5	17	1	US-09-866-108A-7958	Sequence 7958, Ap
2790	12.8	0.5	17	1	US-09-866-108A-7977	Sequence 7977, Ap
2791	12.8	0.5	17	1	US-09-866-108A-7978	Sequence 7978, Ap
2792	12.8	0.5	17	1	US-09-866-108A-9187	Sequence 9187, Ap
2793	12.8	0.5	17	1	US-09-866-108A-9188	Sequence 9188, Ap
2794	12.8	0.5	17	1	US-09-866-108A-9303	Sequence 9303, Ap
2795	12.8	0.5	17	1	US-09-866-108A-9306	Sequence 9306, Ap
2796	12.8	0.5	17	1	US-09-866-108A-10657	Sequence 10657, A
2797	12.8	0.5	17	1	US-09-866-108A-10660	Sequence 10660, A
2798	12.8	0.5	17	1	US-09-866-108A-10665	Sequence 10665, A
2799	12.8	0.5	17	1	US-09-866-108A-10666	Sequence 10666, A
2800	12.8	0.5	17	1	5451505-4	Patent No. 5451505
2801	12.8	0.5	18	1	US-09-106-038A-22	Sequence 22, Appl
2802	12.8	0.5	18	1	US-08-146-504-8	Sequence 8, Appli
c2803	12.8	0.5	18	1	US-08-242-403A-42	Sequence 42, Appl
c2804	12.8	0.5	18	1	US-08-411-796-273	Sequence 273, App
c2805	12.8	0.5	18	1	US-08-774-128-42	Sequence 42, Appl
2806	12.8	0.5	18	1	US-08-459-568-15	Sequence 15, Appl
2807	12.8	0.5	18	1	US-08-399-411-15	Sequence 15, Appl
c2808	12.8	0.5	18	1	US-08-634-350-21	Sequence 21, Appl
c2809	12.8	0.5	18	1	US-08-734-973-7	Sequence 7, Appli
c2810	12.8	0.5	18	1	US-08-734-973-8	Sequence 8, Appli
2811	12.8	0.5	18	1	US-08-725-976-8	Sequence 8, Appli
2812	12.8	0.5	18	1	US-08-775-009-22	Sequence 22, Appl
2813	12.8	0.5	18	1	US-09-156-424-24	Sequence 24, Appl
c2814	12.8	0.5	18	1	US-09-156-979-8	Sequence 8, Appli
2815	12.8	0.5	18	1	US-09-205-860-47	Sequence 47, Appl
c2816	12.8	0.5	18	1	US-09-205-921-13	Sequence 13, Appl
c2817	12.8	0.5	18	1	US-08-471-039-273	Sequence 273, App
2818	12.8	0.5	18	1	US-08-271-882B-8	Sequence 8, Appli
2819	12.8	0.5	18	1	US-08-516-859A-15	Sequence 15, Appl
c2820	12.8	0.5	18	1	US-09-143-212-11	Sequence 11, Appl
c2821	12.8	0.5	18	1	US-09-289-466-61	Sequence 61, Appl
2822	12.8	0.5	18	1	US-09-035-220-13	Sequence 13, Appl
c2823	12.8	0.5	18	1	US-09-071-710-33	Sequence 33, Appl
2824	12.8	0.5	18	1	US-08-621-700-15	Sequence 15, Appl
2825	12.8	0.5	18	1	US-08-726-278-8	Sequence 8, Appli
c2826	12.8	0.5	18	1	US-09-525-397-33	Sequence 33, Appl
2827	12.8	0.5	18	1	US-09-129-105-5	Sequence 5, Appli
2828	12.8	0.5	18	1	US-09-586-472-15	Sequence 15, Appl
2829	12.8	0.5	18	1	US-09-430-114-2	Sequence 2, Appli
c2830	12.8	0.5	18	1	US-09-496-694B-99	Sequence 99, Appl
c2831	12.8	0.5	18	1	US-08-584-040-3049	Sequence 3049, Ap
2832	12.8	0.5	18	1	US-09-205-995-11	Sequence 11, Appl
2833	12.8	0.5	18	1	US-09-387-341-38	Sequence 38, Appl
c2834	12.8	0.5	18	1	US-09-387-341-69	Sequence 69, Appl
2835	12.8	0.5	18	1	US-08-929-940-15	Sequence 15, Appl
2836	12.8	0.5	18	1	US-09-698-938-5	Sequence 5, Appli
2837	12.8	0.5	18	1	US-09-528-706-15	Sequence 15, Appl
c2838	12.8	0.5	18	1	US-08-559-390-273	Sequence 273, App
2839	12.8	0.5	18	1	US-09-422-978-4675	Sequence 4675, Ap
c2840	12.8	0.5	18	1	US-09-422-978-5984	Sequence 5984, Ap
c2841	12.8	0.5	18	1	US-09-422-978-7144	Sequence 7144, Ap
c2842	12.8	0.5	18	1	US-09-422-978-7869	Sequence 7869, Ap
2843	12.8	0.5	18	1	US-09-422-978-8632	Sequence 8632, Ap
2844	12.8	0.5	18	1	US-09-422-978-9171	Sequence 9171, Ap
2845	12.8	0.5	18	1	US-09-422-978-11530	Sequence 11530, A
c2846	12.8	0.5	18	1	US-09-371-772B-1477	Sequence 1477, Ap
c2847	12.8	0.5	18	1	US-09-679-298A-25	Sequence 25, Appl
2848	12.8	0.5	18	1	US-09-347-613C-17	Sequence 17, Appl
2849	12.8	0.5	18	1	PCT-US91-03680-4	Sequence 4, Appli
c2850	12.8	0.5	18	1	PCT-US91-03680-4	Sequence 4, Appli
2851	12.8	0.5	18	1	PCT-US91-03680-5	Sequence 5, Appli
c2852	12.8	0.5	18	1	PCT-US91-03680-5	Sequence 5, Appli
c2853	12.8	0.5	18	1	PCT-US93-11198-273	Sequence 273, App
2854	12.8	0.5	18	1	PCT-US93-12603-11	Sequence 11, Appl
2855	12.8	0.5	18	1	PCT-US95-03940-15	Sequence 15, Appl
c2856	12.8	0.5	18	1	PCT-US95-05602-42	Sequence 42, Appl
c2857	12.8	0.5	18	1	PCT-US95-05816-42	Sequence 42, Appl
2858	12.8	0.5	19	1	US-09-328-174A-28	Sequence 28, Appl
c2859	12.8	0.5	19	1	US-08-582-539-30	Sequence 30, Appl
2860	12.8	0.5	19	1	US-08-807-104-5	Sequence 5, Appli
c2861	12.8	0.5	19	1	US-08-951-924A-5	Sequence 5, Appli
2862	12.8	0.5	19	1	US-08-500-860A-18	Sequence 18, Appl
c2863	12.8	0.5	19	1	US-08-912-129A-29	Sequence 29, Appl
c2864	12.8	0.5	19	1	US-08-504-538A-16	Sequence 16, Appl
2865	12.8	0.5	19	1	US-08-480-068-5	Sequence 5, Appli
2866	12.8	0.5	19	1	US-09-630-377-5	Sequence 5, Appli
c2867	12.8	0.5	19	1	US-09-338-907-536	Sequence 536, App
2868	12.8	0.5	19	1	US-09-061-764A-3	Sequence 3, Appli
c2869	12.8	0.5	19	1	US-09-218-207-536	Sequence 536, App
2870	12.8	0.5	19	1	US-08-973-137-5	Sequence 5, Appli
c2871	12.8	0.5	19	1	US-08-630-052-16	Sequence 16, Appl
c2872	12.8	0.5	19	1	US-09-216-393B-337	Sequence 337, App
2873	12.8	0.5	19	1	US-09-422-978-4047	Sequence 4047, Ap
c2874	12.8	0.5	19	1	US-09-422-978-5276	Sequence 5276, Ap
c2875	12.8	0.5	19	1	US-09-422-978-7450	Sequence 7450, Ap
2876	12.8	0.5	19	1	US-09-422-978-7656	Sequence 7656, Ap
c2877	12.8	0.5	19	1	US-09-422-978-10441	Sequence 10441, A
c2878	12.8	0.5	19	1	US-09-422-978-11179	Sequence 11179, A
c2879	12.8	0.5	19	1	US-09-831-642-14	Sequence 14, Appl
2880	12.8	0.5	19	1	US-09-831-642-52	Sequence 52, Appl

c2881	12.8	0.5	19	1	US-09-672-717-167	Sequence 167, App
2882	12.8	0.5	19	1	PCT-US91-03680-6	Sequence 6, Appli
c2883	12.8	0.5	19	1	PCT-US91-03680-6	Sequence 6, Appli
c2884	12.8	0.5	19	1	PCT-US95-09307-16	Sequence 16, Appl
2885	12.8	0.5	19	1	5498600-15	Patent No. 5498600
c2886	12.8	0.5	20	1	US-09-583-447A-29	Sequence 29, Appl
2887	12.8	0.5	20	1	US-09-344-914-83	Sequence 83, Appl
c2888	12.8	0.5	20	1	US-09-191-170-99	Sequence 99, Appl
c2889	12.8	0.5	21	1	US-09-422-978-9728	Sequence 9728, Ap
2890	12.8	0.5	22	1	US-09-688-990-19	Sequence 19, Appl
2891	12.8	0.5	23	1	US-09-429-499-3	Sequence 3, Appli
c2892	12.8	0.5	23	1	US-09-750-401-20	Sequence 20, Appl
2893	12.6	0.4	14	1	US-08-496-631-3	Sequence 3, Appli
c2894	12.6	0.4	14	1	US-08-496-631-3	Sequence 3, Appli
c2895	12.6	0.4	19	1	US-09-345-882-105	Sequence 105, App
2896	12.6	0.4	19	1	US-09-475-947A-12	Sequence 12, Appl
c2897	12.6	0.4	19	1	US-08-271-942A-119	Sequence 119, App
c2898	12.6	0.4	19	1	US-07-977-284A-142	Sequence 142, App
2899	12.6	0.4	19	1	US-08-079-110A-2	Sequence 2, Appli
c2900	12.6	0.4	19	1	US-08-317-431A-10	Sequence 10, Appl
2901	12.6	0.4	19	1	US-08-598-591-49	Sequence 49, Appl
2902	12.6	0.4	19	1	US-08-302-449-6	Sequence 6, Appli
2903	12.6	0.4	19	1	US-08-196-630A-2	Sequence 2, Appli
2904	12.6	0.4	19	1	US-08-196-630A-5	Sequence 5, Appli
2905	12.6	0.4	19	1	US-08-564-860A-5	Sequence 5, Appli
2906	12.6	0.4	19	1	US-08-602-903-7	Sequence 7, Appli
c2907	12.6	0.4	19	1	US-08-086-630C-138	Sequence 138, App
2908	12.6	0.4	19	1	US-08-798-691-53	Sequence 53, Appl
2909	12.6	0.4	19	1	US-08-665-565B-2	Sequence 2, Appli
2910	12.6	0.4	19	1	US-08-665-565B-4	Sequence 4, Appli
c2911	12.6	0.4	19	1	US-08-431-896B-6	Sequence 6, Appli
c2912	12.6	0.4	19	1	US-08-607-384A-40	Sequence 40, Appl
2913	12.6	0.4	19	1	US-08-791-883-5	Sequence 5, Appli
2914	12.6	0.4	19	1	US-08-474-450A-41	Sequence 41, Appl
c2915	12.6	0.4	19	1	US-08-256-426B-142	Sequence 142, App
c2916	12.6	0.4	19	1	US-08-801-898A-8	Sequence 8, Appli
2917	12.6	0.4	19	1	US-09-034-724-2	Sequence 2, Appli
2918	12.6	0.4	19	1	US-09-034-724-4	Sequence 4, Appli
2919	12.6	0.4	19	1	US-09-023-673-5	Sequence 5, Appli
2920	12.6	0.4	19	1	US-09-013-114-5	Sequence 5, Appli
2921	12.6	0.4	19	1	US-08-825-487A-53	Sequence 53, Appl
c2922	12.6	0.4	19	1	US-08-779-916A-119	Sequence 119, App
2923	12.6	0.4	19	1	US-08-988-706-22	Sequence 22, Appl
2924	12.6	0.4	19	1	US-08-573-186-2	Sequence 2, Appli
2925	12.6	0.4	19	1	US-09-191-099-10	Sequence 10, Appl
2926	12.6	0.4	19	1	US-09-074-476-53	Sequence 53, Appl
2927	12.6	0.4	19	1	US-09-081-576-11	Sequence 11, Appl
2928	12.6	0.4	19	1	US-08-983-466-72	Sequence 72, Appl
2929	12.6	0.4	19	1	US-09-216-909-5	Sequence 5, Appli
c2930	12.6	0.4	19	1	US-09-038-637-25	Sequence 25, Appl
2931	12.6	0.4	19	1	US-09-038-637-57	Sequence 57, Appl
2932	12.6	0.4	19	1	US-09-702-843-5	Sequence 5, Appli
c2933	12.6	0.4	19	1	US-09-338-907-468	Sequence 468, App
2934	12.6	0.4	19	1	US-09-702-847-5	Sequence 5, Appli
2935	12.6	0.4	19	1	US-08-943-571-4	Sequence 4, Appli
c2936	12.6	0.4	19	1	US-08-968-733-25	Sequence 25, Appl
2937	12.6	0.4	19	1	US-08-968-733-57	Sequence 57, Appl
c2938	12.6	0.4	19	1	US-09-218-207-468	Sequence 468, App
c2939	12.6	0.4	19	1	US-08-294-312B-38	Sequence 38, Appl
2940	12.6	0.4	19	1	US-09-549-853-6	Sequence 6, Appli
2941	12.6	0.4	19	1	US-09-345-882-136	Sequence 136, App
c2942	12.6	0.4	19	1	US-09-345-882-136	Sequence 136, App
c2943	12.6	0.4	19	1	US-08-468-024B-38	Sequence 38, Appl
2944	12.6	0.4	19	1	US-09-437-905-2	Sequence 2, Appli
2945	12.6	0.4	19	1	US-09-437-905-4	Sequence 4, Appli
2946	12.6	0.4	19	1	US-09-517-467B-4	Sequence 4, Appli
c2947	12.6	0.4	19	1	US-09-091-952A-114	Sequence 114, App
c2948	12.6	0.4	19	1	US-09-360-416-55	Sequence 55, Appl
c2949	12.6	0.4	19	1	US-09-527-030G-206	Sequence 206, App
2950	12.6	0.4	19	1	US-09-657-346A-13	Sequence 13, Appl
c2951	12.6	0.4	19	1	US-09-086-663A-38	Sequence 38, Appl
c2952	12.6	0.4	19	1	US-09-422-978-4078	Sequence 4078, Ap
c2953	12.6	0.4	19	1	US-09-422-978-4399	Sequence 4399, Ap
c2954	12.6	0.4	19	1	US-09-422-978-4529	Sequence 4529, Ap
c2955	12.6	0.4	19	1	US-09-422-978-4550	Sequence 4550, Ap
c2956	12.6	0.4	19	1	US-09-422-978-4714	Sequence 4714, Ap
2957	12.6	0.4	19	1	US-09-422-978-4795	Sequence 4795, Ap
c2958	12.6	0.4	19	1	US-09-422-978-5206	Sequence 5206, Ap
2959	12.6	0.4	19	1	US-09-422-978-6914	Sequence 6914, Ap
c2960	12.6	0.4	19	1	US-09-422-978-7234	Sequence 7234, Ap
c2961	12.6	0.4	19	1	US-09-422-978-8902	Sequence 8902, Ap
c2962	12.6	0.4	19	1	US-09-422-978-9136	Sequence 9136, Ap
c2963	12.6	0.4	19	1	US-09-422-978-9507	Sequence 9507, Ap
2964	12.6	0.4	19	1	US-09-848-083-2	Sequence 2, Appli
c2965	12.6	0.4	19	1	US-08-465-679-38	Sequence 38, Appl
c2966	12.6	0.4	19	1	US-08-210-143C-36	Sequence 36, Appl
2967	12.6	0.4	19	1	US-09-714-780-4	Sequence 4, Appli
2968	12.6	0.4	19	1	US-09-672-717-52	Sequence 52, Appl
2969	12.6	0.4	19	1	US-09-672-717-209	Sequence 209, App
c2970	12.6	0.4	19	1	US-09-672-717-212	Sequence 212, App
2971	12.6	0.4	19	1	US-10-022-819-48	Sequence 48, Appl
2972	12.6	0.4	19	1	PCT-US94-06331A-59	Sequence 59, Appl
2973	12.6	0.4	19	1	PCT-US94-07430-6	Sequence 6, Appli
2974	12.6	0.4	19	1	PCT-US95-04094-20	Sequence 20, Appl
c2975	12.6	0.4	19	1	PCT-US95-08604-119	Sequence 119, App
2976	12.6	0.4	20	1	US-09-823-634A-16	Sequence 16, Appl
2977	12.6	0.4	20	1	US-09-823-647B-16	Sequence 16, Appl
c2978	12.6	0.4	20	1	US-09-021-701-558	Sequence 558, App
2979	12.6	0.4	20	1	US-09-823-634A-13	Sequence 13, Appl
2980	12.6	0.4	20	1	US-09-823-647B-13	Sequence 13, Appl
c2981	12.6	0.4	20	1	US-09-021-701-557	Sequence 557, App
c2982	12.6	0.4	20	1	US-08-837-201C-38	Sequence 38, Appl
c2983	12.6	0.4	20	1	US-09-364-416-38	Sequence 38, Appl
c2984	12.6	0.4	20	1	US-09-166-186-217	Sequence 217, App
c2985	12.6	0.4	20	1	US-09-313-932-217	Sequence 217, App
2986	12.6	0.4	20	1	US-09-593-711A-228	Sequence 228, App
c2987	12.6	0.4	20	1	US-09-588-950A-6	Sequence 6, Appli
c2988	12.6	0.4	20	1	US-09-823-634A-8	Sequence 8, Appli
c2989	12.6	0.4	20	1	US-09-823-634A-9	Sequence 9, Appli
c2990	12.6	0.4	20	1	US-09-823-634A-10	Sequence 10, Appl
c2991	12.6	0.4	20	1	US-09-823-634A-11	Sequence 11, Appl
2992	12.6	0.4	20	1	US-09-823-634A-12	Sequence 12, Appl
2993	12.6	0.4	20	1	US-09-823-634A-14	Sequence 14, Appl
2994	12.6	0.4	20	1	US-09-823-634A-17	Sequence 17, Appl
c2995	12.6	0.4	20	1	US-09-823-647B-8	Sequence 8, Appli
c2996	12.6	0.4	20	1	US-09-823-647B-9	Sequence 9, Appli
c2997	12.6	0.4	20	1	US-09-823-647B-10	Sequence 10, Appl
c2998	12.6	0.4	20	1	US-09-823-647B-11	Sequence 11, Appl
2999	12.6	0.4	20	1	US-09-823-647B-12	Sequence 12, Appl
3000	12.6	0.4	20	1	US-09-823-647B-14	Sequence 14, Appl
3001	12.6	0.4	20	1	US-09-823-647B-17	Sequence 17, Appl
c3002	12.6	0.4	20	1	US-09-465-589A-5	Sequence 5, Appli
3003	12.6	0.4	20	1	US-09-465-589A-6	Sequence 6, Appli
3004	12.6	0.4	20	1	US-08-863-118-8	Sequence 8, Appli
3005	12.6	0.4	20	1	US-07-872-644-1	Sequence 1, Appli
3006	12.6	0.4	20	1	US-08-297-494-1	Sequence 1, Appli
3007	12.6	0.4	20	1	US-08-297-510-1	Sequence 1, Appli
3008	12.6	0.4	20	1	US-08-479-532-1	Sequence 1, Appli
3009	12.6	0.4	20	1	US-08-455-526-1	Sequence 1, Appli
3010	12.6	0.4	20	1	US-08-455-525-1	Sequence 1, Appli
3011	12.6	0.4	20	1	US-09-139-491-1	Sequence 1, Appli
3012	12.6	0.4	20	1	US-09-883-825-1	Sequence 1, Appli
3013	12.6	0.4	20	1	PCT-US92-03222-1	Sequence 1, Appli
c3014	12.6	0.4	21	1	US-09-165-868-8	Sequence 8, Appli
c3015	12.6	0.4	22	1	US-08-235-180-28	Sequence 28, Appl
c3016	12.6	0.4	22	1	US-08-332-420-10	Sequence 10, Appl
c3017	12.6	0.4	22	1	US-08-235-180-24	Sequence 24, Appl
c3018	12.6	0.4	22	1	US-08-332-420-6	Sequence 6, Appli
c3019	12.6	0.4	30	1	US-08-629-001A-44	Sequence 44, Appl
c3020	12.6	0.4	30	1	US-08-642-274D-123	Sequence 123, App
c3021	12.4	0.4	14	1	US-08-832-021-5	Sequence 5, Appli
3022	12.4	0.4	14	1	US-08-832-021-9	Sequence 9, Appli
c3023	12.4	0.4	14	1	US-08-724-466B-17	Sequence 17, Appl
3024	12.4	0.4	14	1	US-08-724-466B-21	Sequence 21, Appl
c3025	12.4	0.4	14	1	US-08-882-164D-17	Sequence 17, Appl
3026	12.4	0.4	14	1	US-08-882-164D-21	Sequence 21, Appl

c3027	12.4	0.4	14	1	US-08-832-021-6	Sequence 6, Appli
c3028	12.4	0.4	14	1	US-08-832-021-8	Sequence 8, Appli
3029	12.4	0.4	14	1	US-08-832-021-12	Sequence 12, Appl
c3030	12.4	0.4	14	1	US-08-832-021-13	Sequence 13, Appl
c3031	12.4	0.4	14	1	US-08-724-466B-13	Sequence 13, Appl
c3032	12.4	0.4	14	1	US-08-724-466B-18	Sequence 18, Appl
c3033	12.4	0.4	14	1	US-08-724-466B-19	Sequence 19, Appl
3034	12.4	0.4	14	1	US-08-724-466B-22	Sequence 22, Appl
c3035	12.4	0.4	14	1	US-08-893-764-3	Sequence 3, Appli
c3036	12.4	0.4	14	1	US-08-787-321-6	Sequence 6, Appli
c3037	12.4	0.4	14	1	US-08-882-164D-13	Sequence 13, Appl
c3038	12.4	0.4	14	1	US-08-882-164D-18	Sequence 18, Appl
c3039	12.4	0.4	14	1	US-08-882-164D-19	Sequence 19, Appl
3040	12.4	0.4	14	1	US-08-882-164D-22	Sequence 22, Appl
c3041	12.4	0.4	15	1	US-08-832-021-18	Sequence 18, Appl
3042	12.4	0.4	15	1	US-08-292-620A-365	Sequence 365, App
c3043	12.4	0.4	15	1	US-08-832-021-19	Sequence 19, Appl
3044	12.4	0.4	15	1	US-08-832-021-23	Sequence 23, Appl
3045	12.4	0.4	15	1	US-08-832-021-24	Sequence 24, Appl
3046	12.4	0.4	15	1	US-09-071-845-365	Sequence 365, App
c3047	12.4	0.4	15	1	US-08-832-021-26	Sequence 26, Appl
c3048	12.4	0.4	15	1	US-08-832-021-30	Sequence 30, Appl
c3049	12.4	0.4	15	1	US-08-832-021-32	Sequence 32, Appl
3050	12.4	0.4	15	1	US-08-832-021-37	Sequence 37, Appl
c3051	12.4	0.4	15	1	US-08-832-021-53	Sequence 53, Appl
3052	12.4	0.4	15	1	US-08-832-021-58	Sequence 58, Appl
c3053	12.4	0.4	15	1	US-08-832-021-61	Sequence 61, Appl
3054	12.4	0.4	15	1	US-08-832-021-62	Sequence 62, Appl
c3055	12.4	0.4	15	1	US-08-832-021-27	Sequence 27, Appl
c3056	12.4	0.4	15	1	US-08-832-021-28	Sequence 28, Appl
c3057	12.4	0.4	15	1	US-08-832-021-31	Sequence 31, Appl
c3058	12.4	0.4	15	1	US-08-832-021-55	Sequence 55, Appl
3059	12.4	0.4	15	1	US-08-832-021-59	Sequence 59, Appl
c3060	12.4	0.4	17	1	US-08-584-040-2546	Sequence 2546, Ap
c3061	12.4	0.4	17	1	US-09-371-772B-1070	Sequence 1070, Ap
c3062	12.4	0.4	17	1	US-08-373-124A-1907	Sequence 1907, Ap
c3063	12.4	0.4	17	1	US-08-435-628-1907	Sequence 1907, Ap
c3064	12.4	0.4	17	1	US-09-827-998-482	Sequence 482, App
3065	12.4	0.4	20	1	US-09-593-589-26	Sequence 26, Appl
c3066	12.4	0.4	22	1	US-08-235-180-25	Sequence 25, Appl
c3067	12.4	0.4	22	1	US-08-235-180-26	Sequence 26, Appl
c3068	12.4	0.4	22	1	US-08-332-420-7	Sequence 7, Appli
c3069	12.4	0.4	22	1	US-08-332-420-8	Sequence 8, Appli
c3070	12.4	0.4	22	1	US-08-235-180-22	Sequence 22, Appl
c3071	12.4	0.4	22	1	US-08-235-180-30	Sequence 30, Appl
c3072	12.4	0.4	22	1	US-08-332-420-4	Sequence 4, Appli
c3073	12.4	0.4	22	1	US-08-332-420-12	Sequence 12, Appl
c3074	12.4	0.4	24	1	US-08-570-155-17	Sequence 17, Appl
c3075	12.4	0.4	25	1	US-09-352-608-9	Sequence 9, Appli
3076	12.2	0.4	17	1	US-08-584-040-2556	Sequence 2556, Ap
3077	12.2	0.4	17	1	US-09-371-772B-1080	Sequence 1080, Ap
3078	12.2	0.4	17	1	US-08-909-742-3	Sequence 3, Appli
3079	12.2	0.4	17	1	US-08-909-742-4	Sequence 4, Appli
3080	12.2	0.4	17	1	US-09-412-289-3	Sequence 3, Appli
3081	12.2	0.4	17	1	US-09-412-289-4	Sequence 4, Appli
c3082	12.2	0.4	17	1	US-08-373-124A-2149	Sequence 2149, Ap
c3083	12.2	0.4	17	1	US-08-435-628-2149	Sequence 2149, Ap
3084	12.2	0.4	17	1	US-08-894-731-5	Sequence 5, Appli
c3085	12.2	0.4	18	1	US-09-725-265-43	Sequence 43, Appl
3086	12.2	0.4	18	1	US-09-725-265-47	Sequence 47, Appl
c3087	12.2	0.4	18	1	US-09-143-212-44	Sequence 44, Appl
3088	12.2	0.4	19	1	US-09-338-907-536	Sequence 536, App
3089	12.2	0.4	19	1	US-09-218-207-536	Sequence 536, App
3090	12.2	0.4	19	1	US-09-422-978-5206	Sequence 5206, Ap
c3091	12.2	0.4	20	1	US-09-101-886B-15	Sequence 15, Appl
3092	12.2	0.4	20	1	US-09-422-978-5201	Sequence 5201, Ap
c3093	12.2	0.4	20	1	US-09-166-186-54	Sequence 54, Appl
c3094	12.2	0.4	20	1	US-09-313-932-54	Sequence 54, Appl
c3095	12.2	0.4	21	1	US-07-974-409C-346	Sequence 346, App
3096	12.2	0.4	21	1	US-09-428-236-16	Sequence 16, Appl
c3097	12.2	0.4	22	1	US-08-235-180-27	Sequence 27, Appl
c3098	12.2	0.4	22	1	US-08-332-420-9	Sequence 9, Appli
c3099	12.2	0.4	22	1	US-08-235-180-23	Sequence 23, Appl
c3100	12.2	0.4	22	1	US-08-332-420-5	Sequence 5, Appli
c3101	12.2	0.4	22	1	US-08-974-180-1	Sequence 1, Appli
3102	12.2	0.4	22	1	US-07-988-430-60	Sequence 60, Appl
3103	12.2	0.4	22	1	US-08-425-336-58	Sequence 58, Appl
3104	12.2	0.4	22	1	US-08-488-113B-58	Sequence 58, Appl
3105	12.2	0.4	22	1	US-08-477-484B-58	Sequence 58, Appl
3106	12.2	0.4	22	1	US-08-646-360-58	Sequence 58, Appl
3107	12.2	0.4	22	1	US-08-839-765-58	Sequence 58, Appl
3108	12.2	0.4	22	1	US-09-136-389-58	Sequence 58, Appl
3109	12.2	0.4	22	1	US-09-610-838-58	Sequence 58, Appl
3110	12.2	0.4	22	1	US-09-711-485-58	Sequence 58, Appl
3111	12.2	0.4	22	1	PCT-US92-09487-60	Sequence 60, Appl
c3112	12.2	0.4	24	1	PCT-US92-10792-27	Sequence 27, Appl
c3113	12	0.4	14	1	US-08-332-838-3	Sequence 3, Appli
c3114	12	0.4	14	1	US-08-832-021-7	Sequence 7, Appli
3115	12	0.4	14	1	US-08-832-021-10	Sequence 10, Appl
3116	12	0.4	14	1	US-08-832-021-11	Sequence 11, Appl
c3117	12	0.4	14	1	US-08-724-466B-16	Sequence 16, Appl
3118	12	0.4	14	1	US-08-724-466B-20	Sequence 20, Appl
3119	12	0.4	14	1	US-08-724-466B-23	Sequence 23, Appl
c3120	12	0.4	14	1	US-08-991-789A-130	Sequence 130, App
c3121	12	0.4	14	1	US-08-882-164D-16	Sequence 16, Appl
3122	12	0.4	14	1	US-08-882-164D-20	Sequence 20, Appl
3123	12	0.4	14	1	US-08-882-164D-23	Sequence 23, Appl
c3124	12	0.4	14	1	US-09-062-451-130	Sequence 130, App
c3125	12	0.4	14	1	US-09-598-326-130	Sequence 130, App
c3126	12	0.4	14	1	US-09-370-838-47	Sequence 47, Appl
3127	12	0.4	14	1	US-09-151-771B-21	Sequence 21, Appl
c3128	12	0.4	14	1	US-09-289-198-130	Sequence 130, App
c3129	12	0.4	14	1	US-09-429-755-130	Sequence 130, App
3130	12	0.4	15	1	US-08-041-599-2	Sequence 2, Appli
3131	12	0.4	15	1	US-08-337-025-2	Sequence 2, Appli
3132	12	0.4	15	1	US-08-832-021-33	Sequence 33, Appl
c3133	12	0.4	15	1	US-08-832-021-42	Sequence 42, Appl
3134	12	0.4	15	1	US-08-832-021-45	Sequence 45, Appl
3135	12	0.4	15	1	US-08-832-021-34	Sequence 34, Appl
3136	12	0.4	15	1	US-08-832-021-35	Sequence 35, Appl
3137	12	0.4	15	1	US-08-832-021-36	Sequence 36, Appl
c3138	12	0.4	15	1	US-08-832-021-41	Sequence 41, Appl
c3139	12	0.4	15	1	US-08-832-021-43	Sequence 43, Appl
c3140	12	0.4	15	1	US-08-832-021-44	Sequence 44, Appl
3141	12	0.4	15	1	US-08-832-021-46	Sequence 46, Appl
3142	12	0.4	15	1	US-08-832-021-47	Sequence 47, Appl
3143	12	0.4	15	1	US-08-832-021-48	Sequence 48, Appl
c3144	12	0.4	16	1	US-09-300-958A-58	Sequence 58, Appl
c3145	12	0.4	16	1	US-09-300-958A-84	Sequence 84, Appl
c3146	12	0.4	16	1	US-09-527-972-17	Sequence 17, Appl
c3147	12	0.4	18	1	US-09-475-316A-122	Sequence 122, App
c3148	12	0.4	18	1	US-09-704-640-122	Sequence 122, App
c3149	12	0.4	20	1	US-09-467-082-12	Sequence 12, Appl
3150	12	0.4	20	1	US-09-725-265-41	Sequence 41, Appl
3151	12	0.4	20	1	US-09-725-265-42	Sequence 42, Appl
3152	12	0.4	20	1	US-09-780-045-105	Sequence 105, App
3153	12	0.4	20	1	US-09-344-914-75	Sequence 75, Appl
3154	12	0.4	20	1	US-09-344-914-76	Sequence 76, Appl
3155	12	0.4	20	1	US-09-021-701-774	Sequence 774, App
3156	12	0.4	20	1	US-09-021-701-775	Sequence 775, App
c3157	12	0.4	20	1	US-09-198-452A-1578	Sequence 1578, Ap
c3158	12	0.4	20	1	US-09-454-495-6	Sequence 6, Appli
c3159	12	0.4	20	1	US-09-428-219-84	Sequence 84, Appl
3160	12	0.4	20	1	US-09-434-131A-8	Sequence 8, Appli
c3161	12	0.4	21	1	US-08-145-704-10	Sequence 10, Appl
c3162	12	0.4	21	1	US-08-987-574-10	Sequence 10, Appl
c3163	12	0.4	21	1	US-08-535-168-10	Sequence 10, Appl
c3164	12	0.4	21	1	US-09-017-974-10	Sequence 10, Appl
c3165	12	0.4	21	1	US-08-682-255A-10	Sequence 10, Appl
c3166	12	0.4	21	1	US-09-429-130-10	Sequence 10, Appl
c3167	12	0.4	21	1	PCT-US93-07743-13	Sequence 13, Appl
c3168	12	0.4	21	1	PCT-US96-11786-10	Sequence 10, Appl
3169	12	0.4	24	1	US-09-043-303-16	Sequence 16, Appl
3170	12	0.4	24	1	US-08-570-155-16	Sequence 16, Appl
c3171	11.8	0.4	17	1	US-08-584-040-2187	Sequence 2187, Ap
c3172	11.8	0.4	17	1	US-09-371-772B-732	Sequence 732, App

c3173	11.8	0.4	17	1	US-08-584-040-2188	Sequence 2188, Ap
c3174	11.8	0.4	17	1	US-09-371-772B-733	Sequence 733, App
c3175	11.8	0.4	17	1	US-08-584-040-2189	Sequence 2189, Ap
c3176	11.8	0.4	17	1	US-09-371-772B-734	Sequence 734, App
c3177	11.8	0.4	17	1	US-08-373-124A-2147	Sequence 2147, Ap
c3178	11.8	0.4	17	1	US-08-435-628-2147	Sequence 2147, Ap
c3179	11.8	0.4	19	1	US-09-657-346A-13	Sequence 13, Appl
c3180	11.8	0.4	20	1	US-09-021-701-554	Sequence 554, App
c3181	11.8	0.4	20	1	US-09-021-701-555	Sequence 555, App
c3182	11.8	0.4	20	1	US-09-021-701-556	Sequence 556, App
c3183	11.8	0.4	20	1	US-08-578-551-26	Sequence 26, Appl
c3184	11.8	0.4	20	1	US-09-190-982-26	Sequence 26, Appl
c3185	11.8	0.4	20	1	US-09-408-257-26	Sequence 26, Appl
3186	11.8	0.4	20	1	US-08-827-036A-10	Sequence 10, Appl
3187	11.8	0.4	20	1	US-08-461-366A-7	Sequence 7, Appli
3188	11.8	0.4	20	1	US-08-481-341-10	Sequence 10, Appl
3189	11.8	0.4	20	1	US-08-424-991B-7	Sequence 7, Appli
3190	11.8	0.4	20	1	US-08-424-991B-8	Sequence 8, Appli
3191	11.8	0.4	20	1	PCT-US94-00265-10	Sequence 10, Appl
c3192	11.8	0.4	20	1	US-09-021-701-553	Sequence 553, App
3193	11.8	0.4	20	1	US-08-222-177A-55	Sequence 55, Appl
c3194	11.8	0.4	20	1	US-08-687-421-329	Sequence 329, App
c3195	11.6	0.4	18	1	US-09-143-212-45	Sequence 45, Appl
3196	11.6	0.4	18	1	US-09-143-212-46	Sequence 46, Appl
c3197	11.6	0.4	19	1	US-08-656-906-3	Sequence 3, Appli
c3198	11.6	0.4	19	1	US-09-217-847-3	Sequence 3, Appli
c3199	11.6	0.4	19	1	US-08-807-104-5	Sequence 5, Appli
c3200	11.6	0.4	19	1	US-08-480-068-5	Sequence 5, Appli
c3201	11.6	0.4	19	1	US-08-973-137-5	Sequence 5, Appli
3202	11.6	0.4	19	1	US-09-422-978-5276	Sequence 5276, Ap
c3203	11.6	0.4	20	1	US-08-813-508-5	Sequence 5, Appli
c3204	11.6	0.4	20	1	US-09-021-701-559	Sequence 559, App
c3205	11.6	0.4	20	1	US-09-798-096-66	Sequence 66, Appl
c3206	11.6	0.4	20	1	US-09-517-467B-200	Sequence 200, App
c3207	11.6	0.4	20	1	US-08-492-723-11	Sequence 11, Appl
c3208	11.6	0.4	20	1	US-09-428-584-18	Sequence 18, Appl
3209	11.6	0.4	20	1	US-09-344-914-77	Sequence 77, Appl
3210	11.6	0.4	20	1	US-09-358-384-44	Sequence 44, Appl
3211	11.6	0.4	20	1	US-09-487-368A-224	Sequence 224, App
3212	11.6	0.4	20	1	US-09-428-583-24	Sequence 24, Appl
c3213	11.6	0.4	20	1	US-09-792-594-37	Sequence 37, Appl
3214	11.6	0.4	20	1	US-09-629-644A-224	Sequence 224, App
3215	11.4	0.4	13	1	US-07-850-343A-5	Sequence 5, Appli
3216	11.4	0.4	13	1	US-08-351-748-10	Sequence 10, Appl
3217	11.4	0.4	13	1	US-08-430-536A-10	Sequence 10, Appl
3218	11.4	0.4	13	1	US-08-486-955A-1	Sequence 1, Appli
3219	11.4	0.4	13	1	US-08-684-547-10	Sequence 10, Appl
3220	11.4	0.4	13	1	US-08-680-506-15	Sequence 15, Appl
c3221	11.4	0.4	13	1	US-08-985-492-17	Sequence 17, Appl
c3222	11.4	0.4	13	1	US-09-377-497-56	Sequence 56, Appl
3223	11.4	0.4	13	1	US-09-377-497-59	Sequence 59, Appl
c3224	11.4	0.4	13	1	US-09-377-497-62	Sequence 62, Appl
3225	11.4	0.4	13	1	PCT-US93-02246-10	Sequence 10, Appl
3226	11.4	0.4	15	1	US-08-292-620A-366	Sequence 366, App
3227	11.4	0.4	15	1	US-09-071-845-366	Sequence 366, App
c3228	11.4	0.4	15	1	US-09-081-646-113	Sequence 113, App
c3229	11.4	0.4	17	1	US-08-584-040-2185	Sequence 2185, Ap
c3230	11.4	0.4	17	1	US-08-584-040-2186	Sequence 2186, Ap
c3231	11.4	0.4	17	1	US-09-371-772B-730	Sequence 730, App
c3232	11.4	0.4	17	1	US-09-371-772B-731	Sequence 731, App
c3233	11.4	0.4	17	1	US-08-584-040-2545	Sequence 2545, Ap
c3234	11.4	0.4	17	1	US-09-371-772B-1069	Sequence 1069, Ap
c3235	11.4	0.4	17	1	US-08-584-040-7816	Sequence 7816, Ap
c3236	11.4	0.4	17	1	US-08-584-040-7817	Sequence 7817, Ap
c3237	11.4	0.4	17	1	US-09-371-772B-3600	Sequence 3600, Ap
c3238	11.4	0.4	17	1	US-09-371-772B-3601	Sequence 3601, Ap
3239	11.4	0.4	18	1	US-09-496-694B-99	Sequence 99, Appl
c3240	11.4	0.4	19	1	US-09-893-191B-18	Sequence 18, Appl
c3241	11.4	0.4	20	1	US-09-021-701-551	Sequence 551, App
3242	11.4	0.4	20	1	US-09-198-452A-6579	Sequence 6579, Ap
3243	11.4	0.4	21	1	US-09-409-604-10	Sequence 10, Appl
c3244	11.2	0.4	16	1	US-08-753-147-140	Sequence 140, App
c3245	11.2	0.4	16	1	US-08-431-080-3	Sequence 3, Appli
c3246	11.2	0.4	16	1	US-08-938-534-3	Sequence 3, Appli
3247	11.2	0.4	16	1	US-08-656-906-2	Sequence 2, Appli
3248	11.2	0.4	16	1	US-09-217-847-2	Sequence 2, Appli
c3249	11.2	0.4	16	1	US-09-345-294-3	Sequence 3, Appli
3250	11.2	0.4	17	1	US-08-584-040-2557	Sequence 2557, Ap
3251	11.2	0.4	17	1	US-09-371-772B-1081	Sequence 1081, Ap
3252	11.2	0.4	17	1	US-08-584-040-2204	Sequence 2204, Ap
3253	11.2	0.4	17	1	US-09-371-772B-749	Sequence 749, App
3254	11.2	0.4	18	1	US-09-205-995-25	Sequence 25, Appl
c3255	11.2	0.4	18	1	US-07-874-334-12	Sequence 12, Appl
3256	11.2	0.4	18	1	US-09-143-212-10	Sequence 10, Appl
3257	11.2	0.4	18	1	US-07-627-538-6	Sequence 6, Appli
3258	11.2	0.4	18	1	US-08-128-369-6	Sequence 6, Appli
3259	11.2	0.4	18	1	US-08-311-486C-1089	Sequence 1089, Ap
3260	11.2	0.4	19	1	US-09-327-796-3	Sequence 3, Appli
c3261	11.2	0.4	19	1	US-08-500-860A-18	Sequence 18, Appl
c3262	11.2	0.4	20	1	US-07-929-204-3	Sequence 3, Appli
c3263	11.2	0.4	20	1	US-09-560-594-56	Sequence 56, Appl
c3264	11.2	0.4	20	1	US-08-055-105-1	Sequence 1, Appli
3265	11.2	0.4	20	1	US-08-167-113-13	Sequence 13, Appl
3266	11.2	0.4	20	1	US-08-886-161-13	Sequence 13, Appl
3267	11.2	0.4	20	1	US-08-665-259-64	Sequence 64, Appl
3268	11.2	0.4	20	1	US-08-762-500-64	Sequence 64, Appl
3269	11.2	0.4	20	1	US-09-517-584A-19	Sequence 19, Appl
c3270	11.2	0.4	24	1	US-08-983-108-1	Sequence 1, Appli
3271	11.2	0.4	24	1	US-08-242-402-13	Sequence 13, Appl
3272	11.2	0.4	24	1	US-08-682-423-26	Sequence 26, Appl
3273	11.2	0.4	24	1	PCT-US95-05141-26	Sequence 26, Appl
c3274	11.2	0.4	25	1	US-08-374-144-3	Sequence 3, Appli
c3275	11.2	0.4	25	1	US-08-775-164-3	Sequence 3, Appli
c3276	11.2	0.4	25	1	US-08-775-609-3	Sequence 3, Appli
c3277	11.2	0.4	25	1	US-08-775-607-3	Sequence 3, Appli
c3278	11.2	0.4	25	1	PCT-US93-06828-3	Sequence 3, Appli
c3279	11	0.4	13	1	US-08-434-705B-2	Sequence 2, Appli
c3280	11	0.4	13	1	US-09-086-201-2	Sequence 2, Appli

ALIGNMENTS

```
RESULT 1
US-08-771-624B-1
; Sequence 1, Application US/08771624B
; Patent No. 5914230
;  GENERAL INFORMATION:
;    APPLICANT:  Liu, Yen Ping
;    APPLICANT:  Patel, Rajesh D.
;    APPLICANT:  Kurn, Nurith
;    APPLICANT:  Lin, Claire
;    APPLICANT:  Rose, Samuel J.
;    APPLICANT:  Ullman, Edwin F.
;    TITLE OF INVENTION:  Homogeneous Amplification and Detection
;    TITLE OF INVENTION:  of Nucleic Acids
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Behring Diagnostics GmbH, c/o Dade Behring Inc.
;      STREET:  1717 Deerfield Road
;      CITY:  Deerfield
;      STATE:  Illinois
;      COUNTRY:  US
;      ZIP:  60015-0778
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,624B
;      FILING DATE:  20-DEC-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/009,090
;      FILING DATE:  22-DEC-1995
```

```
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ruszala, Lois K.
;      REGISTRATION NUMBER:  39,074
;      REFERENCE/DOCKET NUMBER:  1030
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (847) 267-5364
;      TELEFAX:  (847) 267-6024
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  40 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  C-terminal
US-08-771-624B-1

  Query Match             1.0%;  Score 28.4;  DB 1;  Length 40;
  Best Local Similarity   84.2%;  Pred. No. 36;
  Matches   32;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTTAACTTT 2192
              ||||||| |  ||||||||||||||||||||   |||
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 38


RESULT 2
US-08-440-209-4
; Sequence 4, Application US/08440209
; Patent No. 5922857
;  GENERAL INFORMATION:
;    APPLICANT:  Han, Jang H
;    APPLICANT:  Spaete, Richard R
;    TITLE OF INVENTION:  Methods and Compositions for Controlling
;    TITLE OF INVENTION:  Translation of HCV Proteins
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield, and Sacks P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/440,209
;      FILING DATE:  12-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/477,895
;      FILING DATE:  06-JUN-1995
;      APPLICATION NUMBER:  US 08/128,583
;      FILING DATE:  28-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Janiuk, Anthony J
;      REGISTRATION NUMBER:  29,809
;      REFERENCE/DOCKET NUMBER:  C0772/7004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  40 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-440-209-4

  Query Match             1.0%;  Score 28.4;  DB 1;  Length 40;
  Best Local Similarity   84.2%;  Pred. No. 36;
  Matches   32;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTTAACTTT 2192
              ||||||| |  ||||||||||||||||||||   |||
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 38


RESULT 3
US-08-439-996-4
; Sequence 4, Application US/08439996
; Patent No. 6057093
;  GENERAL INFORMATION:
;    APPLICANT:  Han, Jang H
;    APPLICANT:  Spaete, Richard R
;    TITLE OF INVENTION:  Methods and Compositions for Controlling
;    TITLE OF INVENTION:  Translation of HCV Proteins
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield, and Sacks P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/439,996
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/477,895A
;      FILING DATE:
;      APPLICATION NUMBER:  US 08/128,583
;      FILING DATE:  28-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Janiuk, Anthony J
;      REGISTRATION NUMBER:  29,809
;      REFERENCE/DOCKET NUMBER:  C0772/7004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  40 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-439-996-4

  Query Match             1.0%;  Score 28.4;  DB 1;  Length 40;
  Best Local Similarity   84.2%;  Pred. No. 36;
  Matches   32;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTTAACTTT 2192
              ||||||| |  ||||||||||||||||||||   |||
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 38


RESULT 4
```

```
US-09-732-067-7/c
; Sequence 7, Application US/09732067
; Patent No. 6457426
; GENERAL INFORMATION:
;  APPLICANT: Ullman, Edwin
;  APPLICANT:  Singh, Rajendra
;  APPLICANT:  DeKeczer, Steve
;  APPLICANT:  Davalian, Dariush
;  TITLE OF INVENTION: Amplified Luminescent Homogeneous
;  TITLE OF INVENTION:  Immunoassay
;  FILE REFERENCE: BEH-7385
;  CURRENT APPLICATION NUMBER: US/09/732,067
;  CURRENT FILING DATE:  2000-12-07
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;    LENGTH: 40
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: hybridization oligo
US-09-732-067-7

  Query Match             1.0%;  Score 28.4;  DB 1;  Length 40;
  Best Local Similarity   84.2%;  Pred. No. 36;
  Matches   32;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTTTAACTTT 2192
                 ||||||| |  ||||||||||||||||||||   |||
Db         40 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 3


RESULT 5
US-09-462-569B-4
; Sequence 4, Application US/09462569B
; Patent No. 6392124
; GENERAL INFORMATION:
;  APPLICANT: PONZ ASCASO, Fernando
;  APPLICANT:  TORRES PASCUAL, Vicente
;  APPLICANT:  SANCHEZ SANCHEZ, Florentina
;  APPLICANT:  MARTINEZ HERRERA, David
;  TITLE OF INVENTION: INFECTIOUS VECTORS AND CLONES OF PLANTS DERIVED FROM
;  TITLE OF INVENTION:  THE TURNIP MOSAIC VIRUS (TuMV)
;  FILE REFERENCE: P/613-110
;  CURRENT APPLICATION NUMBER: US/09/462,569B
;  CURRENT FILING DATE:  2000-04-03
;  PRIOR APPLICATION NUMBER: PCT/ES98/00200
;  PRIOR FILING DATE: 1998-07-09
;  PRIOR APPLICATION NUMBER: ES P 9701522
;  PRIOR FILING DATE: 1997-07-09
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;    LENGTH: 36
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: synthetic
;    OTHER INFORMATION: construct
US-09-462-569B-4

  Query Match             1.0%;  Score 28;  DB 1;  Length 36;
  Best Local Similarity   86.1%;  Pred. No. 30;
  Matches   31;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2151 TTGATTTTTTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
                 ||  ||||||| |  ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 36


RESULT 6
US-08-113-646A-44/c
; Sequence 44, Application US/08113646A
; Patent No. 5578468
;  GENERAL INFORMATION:
;    APPLICANT:  PICKUP, David J.
;    APPLICANT:  PATEL, Dhavalkumar
;    APPLICANT:  ANTCZAK, James B.
;    TITLE OF INVENTION:  SITE-SPECIFIC RNA CLEAVAGE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/113,646A
;      FILING DATE:  31-AUG-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/084,406
;      FILING DATE:  10-AUG-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1579-20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  44:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  37 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  RNA (genomic)
US-08-113-646A-44

  Query Match             1.0%;  Score 28;  DB 1;  Length 37;
  Best Local Similarity   86.1%;  Pred. No. 33;
  Matches   31;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2151 TTGATTTTTTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
                 ||  ||||||| |  ||||||||||||||||||||
Db          37 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 2


RESULT 7
US-09-720-201A-19
; Sequence 19, Application US/09720201A
; Patent No. 6524853
; GENERAL INFORMATION:
;  APPLICANT: KOHARA, MICHINORI
;  APPLICANT:  KOHARA, KYOKO
;  APPLICANT:  TAIRA, KAZUNARI
;  APPLICANT:  MATSUZAKI, JUNICHI
;  APPLICANT:  OHMORI, HIROSHI
;  TITLE OF INVENTION: A VECTOR EXPRESSING AN RNA VIRAL FULL-LENGTH GENE AND
;  TITLE OF INVENTION:  ITS USE
;  FILE REFERENCE: 04853.0051-00000
;  CURRENT APPLICATION NUMBER: US/09/720,201A
;  CURRENT FILING DATE:  2000-12-22
;  PRIOR APPLICATION NUMBER: JP 98/177,820
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: PCT/JP99/03381
;  PRIOR FILING DATE: 1999-06-24
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.1
```

```
; SEQ ID NO 19
;   LENGTH: 38
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-720-201A-19

  Query Match             1.0%;  Score 27.4;  DB 1;  Length 38;
  Best Local Similarity   83.8%;  Pred. No. 48;
  Matches   31;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
              | |  |||||||  |  ||||||||||||||||||||
Db          2 ACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 38


RESULT 8
US-09-197-814-9
; Sequence 9, Application US/09197814A
; Patent No. 6316220
; GENERAL INFORMATION:
;  APPLICANT: Christensen, Tove
;  TITLE OF INVENTION: A Transcription Factor
;  FILE REFERENCE: 4484.204-US
;  CURRENT APPLICATION NUMBER: US/09/197,814A
;  CURRENT FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: 0740/96
;  EARLIER FILING DATE: 1996-07-05
;  EARLIER APPLICATION NUMBER: PCT/DK97/00305
;  EARLIER FILING DATE: 1997-07-07
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 41
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-197-814-9

  Query Match             1.0%;  Score 26.8;  DB 1;  Length 41;
  Best Local Similarity   81.6%;  Pred. No. 83;
  Matches   31;  Conservative    0;  Mismatches    7;  Indels    0;  Gaps    0;

Qy       2148 TGATTGATTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2185
              ||   | |||||||  |  ||||||||||||||||||||
Db          4 TGTAAGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 41


RESULT 9
US-09-920-581-9
; Sequence 9, Application US/09920581
; Patent No. 6555657
; GENERAL INFORMATION:
;  APPLICANT: Christensen, Tove
;  TITLE OF INVENTION: A Transcription Factor
;  FILE REFERENCE: 4484.204-US
;  CURRENT APPLICATION NUMBER: US/09/920,581
;  CURRENT FILING DATE:  2001-08-01
;  PRIOR APPLICATION NUMBER: 09/197,814
;  PRIOR FILING DATE: 1998-11-23
;  PRIOR APPLICATION NUMBER: PCT/DK97/00305
;  PRIOR FILING DATE: 1997-07-07
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 41
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-920-581-9

  Query Match             1.0%;  Score 26.8;  DB 1;  Length 41;
  Best Local Similarity   81.6%;  Pred. No. 83;
  Matches   31;  Conservative    0;  Mismatches    7;  Indels    0;  Gaps    0;

Qy       2148 TGATTGATTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2185
              ||   | |||||||  |  ||||||||||||||||||||
Db          4 TGTAAGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 41


RESULT 10
US-09-061-026-26
; Sequence 26, Application US/09061026
; Patent No. 6077934
;  GENERAL INFORMATION:
;    APPLICANT:  Jacobsen, Richard
;    APPLICANT:  Olivera, Baldomero M.
;    TITLE OF INVENTION:  Contryphan Peptides
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz, p.c.
;      STREET:  755 Thirteenth Street N.W., Suite 701-E
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/061,026
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/068,737
;      FILING DATE:  24-DEC-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  2314-133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-783-6040
;      TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  33 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "primer"
US-09-061-026-26

  Query Match             0.9%;  Score 25.6;  DB 1;  Length 33;
  Best Local Similarity   87.5%;  Pred. No. 68;
  Matches   28;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTTTT 2184
              | |||||||  |  ||||||||||||||||||||
Db          2 GCTTTTTTTTTTTTTTTTTTTTTTTTTTTT 33


RESULT 11
US-09-466-138-26
; Sequence 26, Application US/09466138
; Patent No. 6153738
;  GENERAL INFORMATION:
;    APPLICANT:  Jacobsen, Richard
;    APPLICANT:  Olivera, Baldomero M.
;    TITLE OF INVENTION:  Contryphan Peptides
;    NUMBER OF SEQUENCES:  29
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz, p.c.
;      STREET:  755 Thirteenth Street N.W., Suite 701-E
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/466,138
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/061,026
;      FILING DATE:
;      APPLICATION NUMBER:  US 60/068,737
;      FILING DATE:  24-DEC-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  2314-133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-783-6040
;      TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  33 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "primer"
US-09-466-138-26

  Query Match             0.9%;  Score 25.6;  DB 1;  Length 33;
  Best Local Similarity   87.5%;  Pred. No. 68;
  Matches   28;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTTTTT 2184
                | ||||||| |  ||||||||||||||||||||
Db          2 GCTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 33


RESULT 12
US-09-268-505B-13
; Sequence 13, Application US/09268505B
; Patent No. 6316192
; GENERAL INFORMATION:
;  APPLICANT:  Luo, Jianhua
;  TITLE OF INVENTION:  Method for Enrichment of Unique DNA Fragments
;  TITLE OF INVENTION:  through Cyclical Removal of PCR Adapter Attached to DNA
;  TITLE OF INVENTION:  Fragments Whose Sequences Are Shared Between Two DNA Pools
;  FILE REFERENCE:  3-11-99
;  CURRENT APPLICATION NUMBER: US/09/268,505B
;  CURRENT FILING DATE:  1999-03-11
;  PRIOR APPLICATION NUMBER:  none
;  PRIOR FILING DATE:  N/A
;  NUMBER OF SEQ ID NOS:  15
;  SOFTWARE:  Microsoft word
; SEQ ID NO 13
;   LENGTH: 31
;   TYPE: DNA
;   ORGANISM: synthetic
;   FEATURE:
;   NAME/KEY: oligo d(T)
;   LOCATION:
US-09-268-505B-13

  Query Match             0.9%;  Score 25.4;  DB 1;  Length 31;
  Best Local Similarity   87.1%;  Pred. No. 59;
  Matches   27;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2157 TTTTTCTCCTTTTTTTTTTTTTTTTTTA 2187
                ||||| |  |||||||||||||||||||:
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTTTTV 31


RESULT 13
US-08-433-505-9/c
; Sequence 9, Application US/08433505
; Patent No. 5695936
;  GENERAL INFORMATION:
;    APPLICANT:  MANDRAND, Bernard
;    APPLICANT:  CROS, Philippe
;    APPLICANT:  DELAIR, Thierry
;    APPLICANT:  CHARLES, Marie-Helene
;    APPLICANT:  EROUT, Marie-No. 569593611e
;    APPLICANT:  PICHOT, Christian
;    APPLICANT:  TONNELLIER, Jean-Claude
;    TITLE OF INVENTION:  REAGENT AND METHOD FOR THE DETECTION OF
;    TITLE OF INVENTION:  A NUCLEOTIDE SEQUENCE WITH SIGNAL AMPLIFICATION
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/433,505
;      FILING DATE:  12-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BERRIDGE, WILLIAM P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 36349
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-836-6400
;      TELEFAX:  703-836-2787
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-433-505-9

  Query Match             0.9%;  Score 25.2;  DB 1;  Length 30;
  Best Local Similarity   90.0%;  Pred. No. 58;
  Matches   27;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTT 2184
                |||||||  |  ||||||||||||||||||
Db         30 TTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 14
US-08-870-730-9/c
; Sequence 9, Application US/08870730
; Patent No. 6017707
;  GENERAL INFORMATION:
;    APPLICANT:  MANDRAND, Bernard
;    APPLICANT:  CROS, Philippe
;    APPLICANT:  DELAIR, Thierry
;    APPLICANT:  CHARLES, Marie-Helene
```

```
;    APPLICANT:  EROUT, Marie-No. 601770711e
;    APPLICANT:  PICHOT, Christian
;    TITLE OF INVENTION:  REAGENT AND METHOD FOR THE DETECTION OF
;    TITLE OF INVENTION:  A NUCLEOTIDE SEQUENCE WITH SIGNAL AMPLIFICATION
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE, PLC
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/870,730
;      FILING DATE:  06-JUN-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BERRIDGE, WILLIAM P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 36349A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-836-6400
;      TELEFAX:  703-836-2787
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-870-730-9

  Query Match             0.9%;  Score 25.2;  DB 1;  Length 30;
  Best Local Similarity   90.0%;  Pred. No. 58;
  Matches   27;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTT 2184
              ||||||| |  ||||||||||||||||||
Db         30 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 15
US-09-083-123-3
; Sequence 3, Application US/09083123
; Patent No. 6326143
; GENERAL INFORMATION:
;  APPLICANT: Orum, Hendrik
;  APPLICANT: Seeger, Corina
;  TITLE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic
;  TITLE OF INVENTION: Acids
;  FILE REFERENCE: sequence listing
;  CURRENT APPLICATION NUMBER: US/09/083,123
;  CURRENT FILING DATE: 1998-05-22
;  EARLIER APPLICATION NUMBER: EP 95118600.6
;  EARLIER FILING DATE: 1995-11-25
;  EARLIER APPLICATION NUMBER: PCT/EP96/05149
;  EARLIER FILING DATE: 1996-11-22
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: made by humans
US-09-083-123-3

  Query Match             0.9%;  Score 25.2;  DB 1;  Length 30;
  Best Local Similarity   90.0%;  Pred. No. 58;
  Matches   27;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTT 2184
              ||||||| |  ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 30


RESULT 16
US-09-083-123-7/c
; Sequence 7, Application US/09083123
; Patent No. 6326143
; GENERAL INFORMATION:
;  APPLICANT: Orum, Hendrik
;  APPLICANT: Seeger, Corina
;  TITLE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic
;  TITLE OF INVENTION: Acids
;  FILE REFERENCE: sequence listing
;  CURRENT APPLICATION NUMBER: US/09/083,123
;  CURRENT FILING DATE: 1998-05-22
;  EARLIER APPLICATION NUMBER: EP 95118600.6
;  EARLIER FILING DATE: 1995-11-25
;  EARLIER APPLICATION NUMBER: PCT/EP96/05149
;  EARLIER FILING DATE: 1996-11-22
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: made by humans
US-09-083-123-7

  Query Match             0.9%;  Score 25.2;  DB 1;  Length 30;
  Best Local Similarity   90.0%;  Pred. No. 58;
  Matches   27;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTT 2184
              ||||||| |  ||||||||||||||||||
Db         30 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 17
US-08-882-649A-10/c
; Sequence 10, Application US/08882649A
; Patent No. 6344316
;   GENERAL INFORMATION:
;        APPLICANT: Lockhart, David J.
;                   Chee, Mark
;                   Gunderson, Kevin
;                   Chaoqiang, Lai
;                   Wodicka, Lisa
;                   Cronin, Maureen T.
;                   Lee, Danny
;                   Tran, Huu M.
;                   Matsuzaki, Hajime
;                   McGall, Glenn H.
;        TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
;        NUMBER OF SEQUENCES: 32
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Joe Liebeschuetz
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
```

```
;             APPLICATION NUMBER: US/08/882,649A
;             FILING DATE: 25-Jun-1997
;             CLASSIFICATION: 435-006.000
;       PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 60/010,471
;             FILING DATE: 23-JAN-1996
;             APPLICATION NUMBER: US 60/035,170
;             FILING DATE: 09-JAN-1997
;             APPLICATION NUMBER: PCT/US97/01603
;             FILING DATE: 22-JAN-1997
;       ATTORNEY/AGENT INFORMATION:
;             NAME: Liebeschuetz, Joe
;             REGISTRATION NUMBER: 37,505
;             REFERENCE/DOCKET NUMBER: 018547-019410US
;       TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 10:
;       SEQUENCE CHARACTERISTICS:
;             LENGTH: 30 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       HYPOTHETICAL: YES
;                     (ix)  Features:
;       SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-08-882-649A-10

  Query Match             0.9%;  Score 25.2;  DB 1;  Length 30;
  Best Local Similarity   90.0%;  Pred. No. 58;
  Matches   27;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTT 2184
              ||||||| |  ||||||||||||||||||
Db         30 TTTTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 18
US-08-173-489C-19
; Sequence 19, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  35 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;      DESCRIPTION:  n-myc gene (Accession # Y00664)
;      DESCRIPTION:  nucleotides 4691 to 4725
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    PUBLICATION INFORMATION:
;      AUTHORS:  Ibson, J M,  Rabbitts, P H.
;      TITLE:  Sequence of a germ-line N-myc
; Patent No. 5861244
;      TITLE:  gene and amplification as a mechanism of
;      TITLE:  activation
;      JOURNAL:  Oncogene
;      VOLUME:  2
;      PAGES:  399-402
;      DATE:  1988
;      RELEVANT RESIDUES IN SEQ ID NO:  19 :FROM 1 TO 35
US-08-173-489C-19

  Query Match             0.9%;  Score 24.6;  DB 1;  Length 35;
  Best Local Similarity   87.1%;  Pred. No. 1.3e+02;
  Matches   27;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTTTTTTTTTTTT 2186
              |||| | | |||||| ||||||||||||||
Db          1 TTTTCTATTCTTTTTCTTTTTTTTTTTTT 31


RESULT 19
US-09-522-217-27
; Sequence 27, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
;  APPLICANT: No. 6307024ak, Julia E.
;  APPLICANT: Presnell, Scott R.
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Holly, Richard D.
;  APPLICANT: Gross, Jane A.
;  APPLICANT: Johnston, Janet V.
;  APPLICANT: Nelson, Andrew J.
;  APPLICANT: Dillon, Stacey R.
;  APPLICANT: Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/522,217
;  CURRENT FILING DATE: 2000-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,547
;  EARLIER FILING DATE: 1999-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,904
;  EARLIER FILING DATE: 1999-03-11
;  EARLIER APPLICATION NUMBER: US 60/142,013
;  EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 27
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC18698
US-09-522-217-27

  Query Match             0.9%;  Score 24;  DB 1;  Length 34;
  Best Local Similarity   84.4%;  Pred. No. 1.6e+02;
```

```
  Matches   27;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||     ||||||||||||||||||
Db          1 TTTTTTTCTCGAGACTTTTTTTTTTTTTTTT 32


RESULT 20
US-09-923-246-27
; Sequence 27, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
;  APPLICANT: No. 6605272ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/923,246
;  CURRENT FILING DATE:  2001-08-03
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 27
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC18698
US-09-923-246-27

  Query Match             0.9%;  Score 24;  DB 1;  Length 34;
  Best Local Similarity   84.4%;  Pred. No. 1.6e+02;
  Matches   27;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||     ||||||||||||||||||
Db          1 TTTTTTTCTCGAGACTTTTTTTTTTTTTTTT 32


RESULT 21
US-10-295-723-27
; Sequence 27, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
;  APPLICANT: No. 6686178ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/10/295,723
;  CURRENT FILING DATE:  2002-11-15
;  PRIOR APPLICATION NUMBER: 09/522,217
;  PRIOR FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,547
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 27
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC18698
US-10-295-723-27

  Query Match             0.9%;  Score 24;  DB 1;  Length 34;
  Best Local Similarity   84.4%;  Pred. No. 1.6e+02;
  Matches   27;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||     ||||||||||||||||||
Db          1 TTTTTTTCTCGAGACTTTTTTTTTTTTTTTT 32


RESULT 22
US-10-003-998A-4/c
; Sequence 4, Application US/10003998A
; Patent No. 6664064
; GENERAL INFORMATION:
;  APPLICANT: Roche Diagnostics GmbH
;  TITLE OF INVENTION: Method for melting curve analysis of repetitive PCR
;  TITLE OF INVENTION:  products
;  FILE REFERENCE: 5438/00/EP
;  CURRENT APPLICATION NUMBER: US/10/003,998A
;  CURRENT FILING DATE:  2001-11-14
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-003-998A-4

  Query Match             0.8%;  Score 23.6;  DB 1;  Length 32;
  Best Local Similarity   86.7%;  Pred. No. 1.5e+02;
  Matches   26;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTTTTTTTTTAACT 2190
              | |  ||||||||||||||||||||||| ||
Db         32 TTTTTTTTTTTTTTTTTTTTTTTTTACCT 3


RESULT 23
US-09-244-794A-14
; Sequence 14, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER: US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
```

```
; SEQ ID NO 14
;   LENGTH: 36
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-14

  Query Match             0.8%;  Score 23.4;  DB 1;  Length 36;
  Best Local Similarity   92.0%;  Pred. No. 2.5e+02;
  Matches   23;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||| :||||||||||||||||||||
Db          8 GAACUGAAAAAAAAAAAAAAAAAAA 32


RESULT 24
US-09-247-190-14
; Sequence 14, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 36
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-14

  Query Match             0.8%;  Score 23.4;  DB 1;  Length 36;
  Best Local Similarity   92.0%;  Pred. No. 2.5e+02;
  Matches   23;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||| :||||||||||||||||||||
Db          8 GAACUGAAAAAAAAAAAAAAAAAAA 32


RESULT 25
US-09-238-710-14
; Sequence 14, Application US/09238710A
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 36
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-14

  Query Match             0.8%;  Score 23.4;  DB 1;  Length 36;
  Best Local Similarity   92.0%;  Pred. No. 2.5e+02;
  Matches   23;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||| :||||||||||||||||||||
Db          8 GAACUGAAAAAAAAAAAAAAAAAAA 32


RESULT 26
US-10-003-998A-7/c
; Sequence 7, Application US/10003998A
; Patent No. 6664064
; GENERAL INFORMATION:
;  APPLICANT: Roche Diagnostics GmbH
;  TITLE OF INVENTION: Method for melting curve analysis of repetitive PCR
;  TITLE OF INVENTION:  products
;  FILE REFERENCE: 5438/00/EP
;  CURRENT APPLICATION NUMBER: US/10/003,998A
;  CURRENT FILING DATE:  2001-11-14
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-003-998A-7

  Query Match             0.8%;  Score 23.2;  DB 1;  Length 29;
  Best Local Similarity   89.3%;  Pred. No. 1.3e+02;
  Matches   25;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2152 TGATTTTTTTCTCCTTTTTTTTTTTTT 2179
              |||||||||| |  |||||||||||||
Db         29 TGATTTTTTTTTTTTTTTTTTTTTTTTT 2


RESULT 27
US-09-244-794A-14/c
; Sequence 14, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER:  US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 36
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-14

  Query Match             0.8%;  Score 23.2;  DB 1;  Length 36;
  Best Local Similarity   89.3%;  Pred. No. 2.8e+02;
  Matches   25;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||||||| | || |
Db         34 TTTTTTTTTTTTTTTTTTTTTCAGTTCG 7


RESULT 28
US-09-247-190-14/c
; Sequence 14, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 36
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-14

  Query Match             0.8%;  Score 23.2;  DB 1;  Length 36;
  Best Local Similarity   89.3%;  Pred. No. 2.8e+02;
  Matches   25;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||||||| | || |
Db         34 TTTTTTTTTTTTTTTTTTTTTCAGTTCG 7


RESULT 29
US-09-238-710-14/c
; Sequence 14, Application US/09238710A
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 36
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-14

  Query Match             0.8%;  Score 23.2;  DB 1;  Length 36;
  Best Local Similarity   89.3%;  Pred. No. 2.8e+02;
  Matches   25;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||||||| | || |
Db         34 TTTTTTTTTTTTTTTTTTTTTCAGTTCG 7


RESULT 30
US-09-164-249B-6/c
; Sequence 6, Application US/09164249B
; Patent No. 6322971
; GENERAL INFORMATION:
;  APPLICANT: Chetverin, Alexander B.
;  APPLICANT:  Kramer, Fred Russel
;  TITLE OF INVENTION: NOVEL OLIGONUCLEOTIDE ARRAYS AND THEIR USE FOR SORTING,
;  TITLE OF INVENTION:  ISOLATING, SEQUENCING, AND MANIPULATING NUCLEIC ACIDS
;  FILE REFERENCE: 07763-004003
;  CURRENT APPLICATION NUMBER: US/09/164,249B
;  CURRENT FILING DATE:  1998-09-30
;  PRIOR APPLICATION NUMBER: US 08/473,010
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: US 08/247,530
;  PRIOR FILING DATE: 1994-05-23
;  PRIOR APPLICATION NUMBER: US 07/838,607
;  PRIOR FILING DATE: 1992-02-19
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetically derived DNA
US-09-164-249B-6

  Query Match             0.8%;  Score 23;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 74;
  Matches   23;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAA 2188
                |||||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTTTAA 2


RESULT 31
US-08-126-594-8
; Sequence 8, Application US/08126594
; Patent No. 5482845
;  GENERAL INFORMATION:
;    APPLICANT:  Soares, M. Bento
;    APPLICANT:  Efstratiadis, Algiris
;    TITLE OF INVENTION:  METHOD FOR CONSTRUCTION OF NORMALIZED
;    TITLE OF INVENTION:  cDNA LIBRARIES
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White, c/o Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/126,594
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  White, John P.
;       REGISTRATION NUMBER:  28,678
;       REFERENCE/DOCKET NUMBER:  42840/JPW/AKC
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 977-9550
;       TELEFAX:  (212) 664-0525
;       TELEX:  422523 COOP UI
;   INFORMATION FOR SEQ ID NO:  8:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  32 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-08-126-594-8

  Query Match             0.8%;  Score 23;  DB 1;  Length 32;
  Best Local Similarity   83.9%;  Pred. No. 2e+02;
  Matches   26;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
              |||||| |  ||  ||||||||||||||||
Db          1 TTTTTTTTAATTAATTTTTTTTTTTTTTTT 31


RESULT 32
US-08-465-811A-8
; Sequence 8, Application US/08465811A
; Patent No. 5637685
;  GENERAL INFORMATION:
;    APPLICANT:  Soares, M. Bento
;    APPLICANT:  Efstratiadis, Argiris
;    TITLE OF INVENTION:  METHOD FOR CONSTRUCTION OF
;    TITLE OF INVENTION:  NORMALIZED cDNA LIBRARIES
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White, c/o Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,811A
;      FILING DATE:  June 6, 1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  42840/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-465-811A-8

  Query Match             0.8%;  Score 23;  DB 1;  Length 32;
  Best Local Similarity   83.9%;  Pred. No. 2e+02;
  Matches   26;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
              |||||| |  ||  ||||||||||||||||
Db          1 TTTTTTTTAATTAATTTTTTTTTTTTTTTT 31


RESULT 33
US-08-619-542B-8
; Sequence 8, Application US/08619542B
; Patent No. 5830662
;  GENERAL INFORMATION:
;    APPLICANT:  The Trustees of Columbia University in the City
;    APPLICANT:  of New York
;    TITLE OF INVENTION:  METHOD FOR CONSTRUCTION OF NORMALIZED
;    TITLE OF INVENTION:  cDNA LIBRARIES
;    NUMBER OF SEQUENCES:  78
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/619,542B
;      FILING DATE:  June 21, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  42840-A-PCT-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-619-542B-8

  Query Match             0.8%;  Score 23;  DB 1;  Length 32;
  Best Local Similarity   83.9%;  Pred. No. 2e+02;
  Matches   26;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
              |||||| |  ||  ||||||||||||||||
Db          1 TTTTTTTTAATTAATTTTTTTTTTTTTTTT 31


RESULT 34
US-09-475-947A-153
; Sequence 153, Application US/09475947A
; Patent No. 6472154
```

```
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 153
;   LENGTH: 27
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-153

  Query Match             0.8%;  Score 22.8;  DB 1;  Length 27;
  Best Local Similarity   92.3%;  Pred. No. 1.2e+02;
  Matches   24;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAACTT 2191
              ||||||||||||||||||||||| | ||
Db          2 TTTTTTTTTTTTTTTTTTTTTTATTT 27


RESULT 35
US-08-435-350-118
; Sequence 118, Application US/08435350
; Patent No. 5599704
;  GENERAL INFORMATION:
;    APPLICANT:  James D. Thompson
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR
;    TITLE OF INVENTION:  TREATMENT OF BREAST CANCER
;    NUMBER OF SEQUENCES:  118
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,350
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/936,531
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  197/245
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  35
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-350-118

  Query Match             0.8%;  Score 22.8;  DB 1;  Length 35;
  Best Local Similarity   8.8%;  Pred. No. 3e+02;
  Matches    3;  Conservative   24;  Mismatches    7;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTAA 2188
              ::  ::: : |::::::: :::: ::::::: ||
Db          1 UUAGUUUUUACUUUUUUGUUUGUUUUUUAAA 34


RESULT 36
US-08-400-275-13
; Sequence 13, Application US/08400275
; Patent No. 5668295
;  GENERAL INFORMATION:
;    APPLICANT:  Wahab, Samir Z.
;    APPLICANT:  Malik, Vedpal S.
;    TITLE OF INVENTION:  PUTRESCINE N-METHYLTRANSFERASE,
;    TITLE OF INVENTION:  RECOMBINANT DNA MOLECULES ENCODING PUTRESCINE
;    TITLE OF INVENTION:  N-METHYLTRANSFERASE, AND TRANSGENIC TOBACCO PLANTS WITH
;    TITLE OF INVENTION:  ALTERED NICOTINE CONTENT
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Neave
;      STREET:  1251 Ave. of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10020
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/400,275
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/076,681
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/613,160
;      FILING DATE:  14-NOV-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Creason, Gary L
;      REGISTRATION NUMBER:  34,310
;      REFERENCE/DOCKET NUMBER:  PM-1696
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-596-9000
;      TELEFAX:  212-596-9090
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-08-400-275-13

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 29;
  Best Local Similarity   86.2%;  Pred. No. 1.7e+02;
  Matches   25;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2157 TTTTTCTCCTTTTTTTTTTTTTTTTTTT 2185
              |||   | ||||||||||||||||||||
Db          1 TTTGAATTCTTTTTTTTTTTTTTTTTTT 29


RESULT 37
US-09-244-794A-8/c
; Sequence 8, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
```

```
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER: US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-8

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 29;
  Best Local Similarity   86.2%;  Pred. No. 1.7e+02;
  Matches   25;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTT 2181
             |||||||| |  ||||||||||||||||
Db         29 GGTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 38
US-09-007-005-8/c
; Sequence 8, Application US/09007005B
; Patent No. 6258558
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350003
;  CURRENT APPLICATION NUMBER: US/09/007,005B
;  CURRENT FILING DATE: 1998-01-14
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-007-005-8

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 29;
  Best Local Similarity   86.2%;  Pred. No. 1.7e+02;
  Matches   25;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTT 2181
             |||||||| |  ||||||||||||||||
Db         29 GGTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 39
US-09-247-190-8/c
; Sequence 8, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-8

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 29;
  Best Local Similarity   86.2%;  Pred. No. 1.7e+02;
  Matches   25;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTT 2181
             |||||||| |  ||||||||||||||||
Db         29 GGTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 40
US-09-244-796-8/c
; Sequence 8, Application US/09244796
; Patent No. 6281344
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350007
;  CURRENT APPLICATION NUMBER: US/09/244,796
;  CURRENT FILING DATE: 1999-02-05
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-796-8

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 29;
  Best Local Similarity   86.2%;  Pred. No. 1.7e+02;
  Matches   25;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTT 2181
             |||||||| |  ||||||||||||||||
Db         29 GGTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 41
US-09-238-710-8/c
; Sequence 8, Application US/09238710A
```

```
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-8

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 29;
  Best Local Similarity   86.2%;  Pred. No. 1.7e+02;
  Matches   25;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTTT 2181
                | ||||||| |  ||||||||||||||||
Db         29 GGTTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 42
US-09-282-734-3/c
; Sequence 3, Application US/09282734A
; Patent No. 6537749
; GENERAL INFORMATION:
;  APPLICANT: Robert G. Kuimelis et al.
;  TITLE OF INVENTION: ADDRESSABLE PROTEIN ARRAYS
;  FILE REFERENCE: 50036/009002
;  CURRENT APPLICATION NUMBER: US/09/282,734A
;  CURRENT FILING DATE: 1999-03-03
;  EARLIER APPLICATION NUMBER: 60/080,686
;  EARLIER FILING DATE: 1998-04-03
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide used for attaching puromycin
US-09-282-734-3

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 29;
  Best Local Similarity   86.2%;  Pred. No. 1.7e+02;
  Matches   25;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTTT 2181
                | ||||||| |  ||||||||||||||||
Db         29 GGTTTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 43
US-09-648-040-4/c
; Sequence 4, Application US/09648040
; Patent No. 6436665
; GENERAL INFORMATION:
;  APPLICANT: Robert G. Kuimelis
;  TITLE OF INVENTION: METHODS FOR CODING AND SORTING IN VITRO
;  TITLE OF INVENTION: TRANSLATED PROTEINS
;  FILE REFERENCE: 50036/032002
;  CURRENT APPLICATION NUMBER: US/09/648,040
;  CURRENT FILING DATE:  2000-08-25
;  PRIOR APPLICATION NUMBER: US 60/151,261
;  PRIOR FILING DATE: 1999-08-27
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Encoding molecule
;   NAME/KEY: misc_feature
;   LOCATION: 10
;   OTHER INFORMATION: n at position 10 can be a, t, c, or g.
US-09-648-040-4

  Query Match             0.8%;  Score 22.6;  DB 1;  Length 30;
  Best Local Similarity   83.3%;  Pred. No. 2e+02;
  Matches   25;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTTTTTT 2182
                | ||||||| |  ||||||| |||||||||
Db         30 GGTTTTTTTTTTTTTTTTTTNTTTTTTTT 1


RESULT 44
US-08-296-793-2
; Sequence 2, Application US/08296793
; Patent No. 5580731
;  GENERAL INFORMATION:
;    APPLICANT:  CHANG, CHU-AN
;    APPLICANT:  URDEA, MICHAEL S.
;    APPLICANT:  HORN, THOMAS
;    TITLE OF INVENTION:  NOVEL N-4 MODIFIED PYRIMIDINE
;    TITLE OF INVENTION:  DEOXYNUCLEOTIDES AND OLIGONUCLEOTIDE PROBES SYNTHESIZED
;    TITLE OF INVENTION:  THEREWITH
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHIRON CORPORATION
;      STREET:  4560 Horton Street
;      CITY:  Emeryville
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  94608
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/296,793
;      FILING DATE:  25-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GOLDMAN, KENNETH M.
;      REGISTRATION NUMBER:  34,174
;      REFERENCE/DOCKET NUMBER:  0409.001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 601-2719
;      TELEFAX:  (510) 655-3542
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  11..15
```

```
;      OTHER INFORMATION:  /product= "N represents compound 5
;      OTHER INFORMATION:  or compound 15"
US-08-296-793-2

  Query Match             0.8%;  Score 22.4;  DB 1;  Length 30;
  Best Local Similarity   79.3%;  Pred. No. 2.2e+02;
  Matches   23;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTT 2183
              ||||||| |     ||||||||||||||
Db          2 TTTTTTTTTNNNNNTTTTTTTTTTTTTT 30


RESULT 45
US-09-244-794A-15
; Sequence 15, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER: US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-15

  Query Match             0.8%;  Score 22.4;  DB 1;  Length 33;
  Best Local Similarity   91.7%;  Pred. No. 3e+02;
  Matches   22;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2803
              ||| :||||||||||||||||||
Db          8 GAACUGAAAAAAAAAAAAAAAAAA 31


RESULT 46
US-09-247-190-15
; Sequence 15, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-15

  Query Match             0.8%;  Score 22.4;  DB 1;  Length 33;
  Best Local Similarity   91.7%;  Pred. No. 3e+02;
  Matches   22;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2803
              ||| :||||||||||||||||||
Db          8 GAACUGAAAAAAAAAAAAAAAAAA 31


RESULT 47
US-09-238-710-15
; Sequence 15, Application US/09238710A
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-15

  Query Match             0.8%;  Score 22.4;  DB 1;  Length 33;
  Best Local Similarity   91.7%;  Pred. No. 3e+02;
  Matches   22;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2803
              ||| :||||||||||||||||||
Db          8 GAACUGAAAAAAAAAAAAAAAAAA 31


RESULT 48
US-08-910-632-38
; Sequence 38, Application US/08910632B
; Patent No. 6077668
; GENERAL INFORMATION:
;  APPLICANT: KOOL, ERIC T.
;  TITLE OF INVENTION: HIGHLY SENSITIVE MULTIMERIC NUCLEIC ACID PROBES
;  FILE REFERENCE: 220.00010130
;  CURRENT APPLICATION NUMBER: US/08/910,632B
;  CURRENT FILING DATE: 1997-08-13
;  EARLIER APPLICATION NUMBER: 08/805,631
;  EARLIER FILING DATE: 1997-02-26
;  EARLIER APPLICATION NUMBER: 08/393,439
;  EARLIER FILING DATE: 1995-02-23
;  EARLIER APPLICATION NUMBER: 08/047,860
;  EARLIER FILING DATE: 1993-04-15
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
```

```
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified base
;   LOCATION: 4, 9, 15, 20, 24, 34
;   OTHER INFORMATION: m5c
US-08-910-632-38

  Query Match              0.8%;  Score 22.4;  DB 1;  Length 34;
  Best Local Similarity   81.2%;  Pred. No. 3.3e+02;
  Matches   26;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              || |||||||  | ||||  ||| |||||||||
Db          2 TTCTTTTCTCGATCTTTTCTTTCTTTTTTTT 33


RESULT 49
US-08-805-631A-38
; Sequence 38, Application US/08805631A
; Patent No. 6096880
;  GENERAL INFORMATION:
;    APPLICANT:  UNIVERSITY OF ROCHESTER
;    TITLE OF INVENTION:  CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;    TITLE OF INVENTION:  DNA
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MUETING, RAASCH & GEBHARDT, P.A.
;      STREET:  119 No. 6096880th Fourth Street, Suite 201
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,631A
;      FILING DATE:  26-FEB-97
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/393,439
;      FILING DATE:  23-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/047,860
;      FILING DATE:  15-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SANDBERG, VICTORIA A.
;      REGISTRATION NUMBER:  41,287
;      REFERENCE/DOCKET NUMBER:  220.00010140
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612-305-1226
;      TELEFAX:  612-305-1228
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  34 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  circular
;    MOLECULE TYPE:  DNA (genomic)
US-08-805-631A-38

  Query Match              0.8%;  Score 22.4;  DB 1;  Length 34;
  Best Local Similarity   81.2%;  Pred. No. 3.3e+02;
  Matches   26;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              || |||||||  | ||||  ||| |||||||||
Db          2 TTCTTTTCTCGATCTTTTCTTTCTTTTTTTT 33


RESULT 50
US-09-569-344-38
; Sequence 38, Application US/09569344
; Patent No. 6368802
;  GENERAL INFORMATION:
;       APPLICANT: UNIVERSITY OF ROCHESTER
;       TITLE OF INVENTION: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;                           DNA
;       NUMBER OF SEQUENCES: 72
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
;            STREET: 119 No. 6368802th Fourth Street, Suite 201
;            CITY: Minneapolis
;            STATE: Minnesota
;            COUNTRY: USA
;            ZIP: 55401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/569,344
;            FILING DATE: 11-May-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/805,631
;            FILING DATE: 26-FEB-97
;            APPLICATION NUMBER: US 08/393,439
;            FILING DATE: 23-FEB-1995
;            APPLICATION NUMBER: US 08/047,860
;            FILING DATE: 15-APR-1993
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SANDBERG, VICTORIA A.
;            REGISTRATION NUMBER: 41,287
;            REFERENCE/DOCKET NUMBER: 220.00010140
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 612-305-1226
;            TELEFAX: 612-305-1228
;  INFORMATION FOR SEQ ID NO: 38:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 34 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: circular
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-09-569-344-38

  Query Match              0.8%;  Score 22.4;  DB 1;  Length 34;
  Best Local Similarity   81.2%;  Pred. No. 3.3e+02;
  Matches   26;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              || |||||||  | ||||  ||| |||||||||
Db          2 TTCTTTTCTCGATCTTTTCTTTCTTTTTTTT 33


RESULT 51
US-08-208-486-79/c
; Sequence 79, Application US/08208486
; Patent No. 5389531
;  GENERAL INFORMATION:
;    APPLICANT:  Ito, Junetsu
;    APPLICANT:  Yoo, Seung-Ku
;    TITLE OF INVENTION:  METHODS TO REPLICATE DNA in vitro USING
;    TITLE OF INVENTION:  PRD1-CATALYZED DNA REPLICATION SYSTEMS
;    NUMBER OF SEQUENCES:  89
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cahill, Sutton & Thomas
;      STREET:  155 Park One, 2141 E. Highland Ave.
;      CITY:  Phoenix
```

```
;      STATE:  Arizona
;      COUNTRY:  U.S.A.
;      ZIP:  85016
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 5.25 inch, 1.2 Mb
;      COMPUTER:  Packard Bell (IBM PC/AT compatible)
;      OPERATING SYSTEM:  MS-Dos, Version 5.0
;      SOFTWARE:  WordPerfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/208,486
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/869,916
;      FILING DATE:  April 14, 1992
;      APPLICATION NUMBER:  Japan 240525/91
;      FILING DATE:  August 26, 1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Janelle Faunce Raupp
;      REGISTRATION NUMBER:  30,485
;      REFERENCE/DOCKET NUMBER:  #3954-A-7
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (602) 956-7000
;      TELEFAX:  (602) 495-9475
;  INFORMATION FOR SEQ ID NO:  79:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid (synthetic DNA)
US-08-208-486-79

  Query Match             0.8%;  Score 22.2;  DB 1;  Length 27;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+02;
  Matches   24;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTT 2181
                |||||||  |  ||||||||||||||||
Db         27 TTTTTTTTTTTTTTTTTTTTTTTTTT 1


RESULT 52
US-08-522-623-14
; Sequence 14, Application US/08522623
; Patent No. 5585242
;  GENERAL INFORMATION:
;    APPLICANT:  Khalil, Omar S.
;    APPLICANT:  Bouma, Stanley R.
;    APPLICANT:  Pabich, Edward K.
;    TITLE OF INVENTION:  METHOD AND DEVICE FOR DETECTION OF
;    TITLE OF INVENTION:  NUCLEIC ACID OR ANALYTE USING TOTAL INTERNAL REFLECTION
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/522,623
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,839
;      FILING DATE:
;      APPLICATION NUMBER:  US/07/863,553
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brainard, Thomas D.
;      REGISTRATION NUMBER:  32,459
;      REFERENCE/DOCKET NUMBER:  5158.US.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708) 937-4884
;      TELEFAX:  (708) 937-9556
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  32
US-08-522-623-14

  Query Match             0.8%;  Score 22.2;  DB 1;  Length 32;
  Best Local Similarity   88.9%;  Pred. No. 2.9e+02;
  Matches   24;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTT 2185
                | ||  ||||||||||||||||||||
Db          6 TGTCCGCTTTTTTTTTTTTTTTTTT 32


RESULT 53
PCT-US93-03256-14
; Sequence 14, Application PC/TUS9303256
;  GENERAL INFORMATION:
;    APPLICANT:  Abbott Laboratories
;    TITLE OF INVENTION:  METHOD AND DEVICE FOR DETECTION OF
;    TITLE OF INVENTION:  NUCLEIC ACID OR ANALYTE USING TOTAL INTERNAL REFLECTION
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn and WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/03256
;      FILING DATE:  19930506
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/863,553
;      FILING DATE:  06 APRIL 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brainard, Thomas D.
;      REGISTRATION NUMBER:  32,459
;      REFERENCE/DOCKET NUMBER:  5158.US.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708) 937-4884
;      TELEFAX:  (708) 937-2623
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  32
```

PCT-US93-03256-14

Query Match 0.8%; Score 22.2; DB 1; Length 32;
Best Local Similarity 88.9%; Pred. No. 2.9e+02;
Matches 24; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2159 TTTCTCCTTTTTTTTTTTTTTTTTTT 2185
| || ||||||||||||||||||||||
Db 6 TGTCCGCTTTTTTTTTTTTTTTTTTT 32

RESULT 54
5478746-1/c
;Patent No. 5478746
; APPLICANT: COHEN, JEFFREY I.;PURCELL, ROBERT H.;PEINSTONE,
;STEPHEN M.;TICEHURST, JOHN R.
; TITLE OF INVENTION: CDNA ENCODING ATTENUATED CELL CULTURE
;ADAPTED HEPATITIS A VIRUS GENOME
; NUMBER OF SEQUENCES: 2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/120,646
; FILING DATE: 13-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 789,640
; FILING DATE: 12-NOV-1991
; APPLICATION NUMBER: 462,916
; FILING DATE: 12-JAN-1990
; APPLICATION NUMBER: 88,220
; FILING DATE: 24-AUG-1987
; APPLICATION NUMBER: 905,146
; FILING DATE: 09-SEP-1986
; APPLICATION NUMBER: 652,067
; FILING DATE: 19-SEP-1984
; APPLICATION NUMBER: 366,165
; FILING DATE: 07-APR-1982
;SEQ ID NO:1:
; LENGTH: 33
5478746-1

Query Match 0.8%; Score 22.2; DB 1; Length 33;
Best Local Similarity 88.9%; Pred. No. 3.3e+02;
Matches 24; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2161 TCTCCTTTTTTTTTTTTTTTTTTTTA 2187
| | ||||||||||||||||||||||
Db 28 TTTTTTTTTTTTTTTTTTTTTTTTTA 2

RESULT 55
US-09-721-154-1
; Sequence 1, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
; APPLICANT: Vaisberg, Eugeni
; APPLICANT: Adams, Cynthia
; APPLICANT: Sabry, James
; APPLICANT: Crompton, Anne
; TITLE OF INVENTION: Database system including computer code
; TITLE OF INVENTION: for predictive cellular bioinformatics
; FILE REFERENCE: CytoP007C2
; CURRENT APPLICATION NUMBER: US/09/721,154
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 09/311,996
; PRIOR FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Psuedo-sequence
US-09-721-154-1

Query Match 0.8%; Score 22; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTTTTA 2187
||||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTTTTA 22

RESULT 56
US-09-721-154-4
; Sequence 4, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
; APPLICANT: Vaisberg, Eugeni
; APPLICANT: Adams, Cynthia
; APPLICANT: Sabry, James
; APPLICANT: Crompton, Anne
; TITLE OF INVENTION: Database system including computer code
; TITLE OF INVENTION: for predictive cellular bioinformatics
; FILE REFERENCE: CytoP007C2
; CURRENT APPLICATION NUMBER: US/09/721,154
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 09/311,996
; PRIOR FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Psuedo-sequence
US-09-721-154-4

Query Match 0.8%; Score 22; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2165 CTTTTTTTTTTTTTTTTTTTTT 2186
||||||||||||||||||||||
Db 1 CTTTTTTTTTTTTTTTTTTTTT 22

RESULT 57
US-08-621-914A-1
; Sequence 1, Application US/08621914A
; Patent No. 5707807
; GENERAL INFORMATION:
; APPLICANT: KATO, KIKUYA
; TITLE OF INVENTION: MOLECULAR INDEXING FOR EXPRESSED GENE
; TITLE OF INVENTION: ANALYSIS
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 AVENUE OF THE AMERICAS
; CITY: NEW YORK
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/621,914A
; FILING DATE: 26-MAR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LAWRENCE III, STANTON T.
; REGISTRATION NUMBER: 25,736

```
;       REFERENCE/DOCKET NUMBER:  7005-107-999
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 790-9090
;       TELEFAX:  (212) 869-9741
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  26 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  other nucleic acid
US-08-621-914A-1

  Query Match             0.8%;  Score 22;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||||||||
Db             5 TTTTTTTTTTTTTTTTTTTTTA 26


RESULT 58
US-09-522-217-38
; Sequence 38, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
;  APPLICANT: No. 6307024ak, Julia E.
;  APPLICANT: Presnell, Scott R.
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Holly, Richard D.
;  APPLICANT: Gross, Jane A.
;  APPLICANT: Johnston, Janet V.
;  APPLICANT: Nelson, Andrew J.
;  APPLICANT: Dillon, Stacey R.
;  APPLICANT: Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/522,217
;  CURRENT FILING DATE: 2000-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,547
;  EARLIER FILING DATE: 1999-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,904
;  EARLIER FILING DATE: 1999-03-11
;  EARLIER APPLICATION NUMBER: US 60/142,013
;  EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-09-522-217-38

  Query Match             0.8%;  Score 22;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||||||||
Db             5 TTTTTTTTTTTTTTTTTTTTTA 26


RESULT 59
US-09-527-345-7
; Sequence 7, Application US/09527345
; Patent No. 6331413
; GENERAL INFORMATION:
;  APPLICANT:  Sheppard, Paul O.
;  APPLICANT:  Adler, David A.
;  TITLE OF INVENTION:  SECRETED SALIVARY ZSIG63 POLYPEPTIDE
;  FILE REFERENCE:  97-71
;  CURRENT APPLICATION NUMBER: US/09/527,345
;  CURRENT FILING DATE:  1999-03-17
;  PRIOR APPLICATION NUMBER:  US 60/124,820
;  PRIOR FILING DATE:  1999-03-17
;  NUMBER OF SEQ ID NOS:  9
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-09-527-345-7

  Query Match             0.8%;  Score 22;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||||||||
Db             5 TTTTTTTTTTTTTTTTTTTTTA 26


RESULT 60
US-09-923-246-38
; Sequence 38, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
;  APPLICANT: No. 6605272ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/923,246
;  CURRENT FILING DATE:  2001-08-03
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-09-923-246-38

  Query Match             0.8%;  Score 22;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||||||||
Db             5 TTTTTTTTTTTTTTTTTTTTTA 26


RESULT 61
US-10-295-723-38
; Sequence 38, Application US/10295723
```

```
; Patent No. 6686178
; GENERAL INFORMATION:
;  APPLICANT: No. 6686178ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/10/295,723
;  CURRENT FILING DATE:  2002-11-15
;  PRIOR APPLICATION NUMBER: 09/522,217
;  PRIOR FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,547
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-10-295-723-38

  Query Match             0.8%;  Score 22;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   22;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||||||||
Db             5 TTTTTTTTTTTTTTTTTTTTTA 26


RESULT 62
US-09-725-265-9
; Sequence 9, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-9

  Query Match             0.8%;  Score 22;  DB 1;  Length 30;
  Best Local Similarity   83.3%;  Pred. No. 2.6e+02;
  Matches   25;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCCTTTTTTTTTTTTTT 2179
              ||  || ||||| | ||||||||||||||||
Db             1 ATATATATTTTTTTCTTTTTTTTTTTTTT 30


RESULT 63
US-09-325-554-18
; Sequence 18, Application US/09325554
; Patent No. 6410235
; GENERAL INFORMATION:
;  APPLICANT: Weindel, Kurt
;  APPLICANT:  Brand, Joachim
;  TITLE OF INVENTION: DNA DETECTION BY MEANS OF A STRAND REASSOCIATION COMPLEX
;  FILE REFERENCE: 024420-00008
;  CURRENT APPLICATION NUMBER: US/09/325,554
;  CURRENT FILING DATE:  1999-06-04
;  PRIOR APPLICATION NUMBER: 198-24-900.4
;  PRIOR FILING DATE: 1998-06-04
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: Patent-In version 3.1
; SEQ ID NO 18
;   LENGTH: 27
;   TYPE: DNA
;   ORGANISM: Mycobacterium tuberculosis
;   FEATURE:
;   NAME/KEY: misc_signal
;   LOCATION: (27)..(27)
;   OTHER INFORMATION: Y means incorporation of Aminolinker-phosphoramidite subsequently
;   OTHER INFORMATION: estered with 3-O carboxymethyl digoxigenin
US-09-325-554-18

  Query Match             0.8%;  Score 21.8;  DB 1;  Length 27;
  Best Local Similarity   85.2%;  Pred. No. 2e+02;
  Matches   23;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTT 2181
              ||||||| |  |||||||||||||:|
Db             1 TTTTTTTTTTTTTTTTTTTTTTTTYT 27


RESULT 64
US-08-910-632-6
; Sequence 6, Application US/08910632B
; Patent No. 6077668
; GENERAL INFORMATION:
;  APPLICANT: KOOL, ERIC T.
;  TITLE OF INVENTION: HIGHLY SENSITIVE MULTIMERIC NUCLEIC ACID PROBES
;  FILE REFERENCE: 220.00010130
;  CURRENT APPLICATION NUMBER: US/08/910,632B
;  CURRENT FILING DATE: 1997-08-13
;  EARLIER APPLICATION NUMBER: 08/805,631
;  EARLIER FILING DATE: 1997-02-26
;  EARLIER APPLICATION NUMBER: 08/393,439
;  EARLIER FILING DATE: 1995-02-23
;  EARLIER APPLICATION NUMBER: 08/047,860
;  EARLIER FILING DATE: 1993-04-15
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: multimer
US-08-910-632-6

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 29;
```

```
  Best Local Similarity   85.7%;  Pred. No. 2.8e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
              ||| |  ||||||||| ||||||||||
Db          1 TTTGTTTTTTTTTTTTGTTTTTTTTTT 28


RESULT 65
US-08-805-631A-6
; Sequence 6, Application US/08805631A
; Patent No. 6096880
;  GENERAL INFORMATION:
;    APPLICANT:  UNIVERSITY OF ROCHESTER
;    TITLE OF INVENTION:  CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;    TITLE OF INVENTION:  DNA
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MUETING, RAASCH & GEBHARDT, P.A.
;      STREET:  119 No. 6096880th Fourth Street, Suite 201
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,631A
;      FILING DATE:  26-FEB-97
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/393,439
;      FILING DATE:  23-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/047,860
;      FILING DATE:  15-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SANDBERG, VICTORIA A.
;      REGISTRATION NUMBER:  41,287
;      REFERENCE/DOCKET NUMBER:  220.00010140
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612-305-1226
;      TELEFAX:  612-305-1228
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-805-631A-6

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 29;
  Best Local Similarity   85.7%;  Pred. No. 2.8e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
              ||| |  ||||||||| ||||||||||
Db          1 TTTGTTTTTTTTTTTTGTTTTTTTTTT 28


RESULT 66
US-09-569-344-6
; Sequence 6, Application US/09569344
; Patent No. 6368802
;  GENERAL INFORMATION:
;       APPLICANT: UNIVERSITY OF ROCHESTER
;       TITLE OF INVENTION: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;                           DNA
;       NUMBER OF SEQUENCES: 72
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
;            STREET: 119 No. 6368802th Fourth Street, Suite 201
;            CITY: Minneapolis
;            STATE: Minnesota
;            COUNTRY: USA
;            ZIP: 55401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/569,344
;            FILING DATE: 11-May-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/805,631
;            FILING DATE: 26-FEB-97
;            APPLICATION NUMBER: US 08/393,439
;            FILING DATE: 23-FEB-1995
;            APPLICATION NUMBER: US 08/047,860
;            FILING DATE: 15-APR-1993
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SANDBERG, VICTORIA A.
;            REGISTRATION NUMBER: 41,287
;            REFERENCE/DOCKET NUMBER: 220.00010140
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 612-305-1226
;            TELEFAX: 612-305-1228
;  INFORMATION FOR SEQ ID NO: 6:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 29 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-569-344-6

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 29;
  Best Local Similarity   85.7%;  Pred. No. 2.8e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
              ||| |  ||||||||| ||||||||||
Db          1 TTTGTTTTTTTTTTTTGTTTTTTTTTT 28


RESULT 67
US-08-455-627-12/c
; Sequence 12, Application US/08455627
; Patent No. 5571677
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
```

```
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Nakamura, Jackie N.
;       REGISTRATION NUMBER:  35,966
;       REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415-843-5000
;       TELEFAX:  415-857-0663
;   INFORMATION FOR SEQ ID NO:  12:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  30 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-455-627-12

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 30;
  Best Local Similarity   85.7%;  Pred. No. 3.1e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||||||    | ||
Db         30 TTTTTTTTTTTTTTTTTTTTTTTTTGTG 3


RESULT 68
US-08-689-856-12/c
; Sequence 12, Application US/08689856
; Patent No. 5830658
;  GENERAL INFORMATION:
;     APPLICANT:  Sergei M. Gryaznov
;     TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;     TITLE OF INVENTION:  Connected Macromolecular Structures
;     NUMBER OF SEQUENCES:  26
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Cooley Godward LLP
;       STREET:  Five Palo Alto Square, 3000 El Camino Real
;       CITY:  Palo Alto
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94306-2155
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/689,856
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/455,627
;       FILING DATE:  31-MAY-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Nakamura, Jackie N.
;       REGISTRATION NUMBER:  35,966
;       REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415-843-5000
;       TELEFAX:  415-857-0663
;   INFORMATION FOR SEQ ID NO:  12:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  30 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-689-856-12

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 30;
  Best Local Similarity   85.7%;  Pred. No. 3.1e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||||||    | ||
Db         30 TTTTTTTTTTTTTTTTTTTTTTTTTGTG 3


RESULT 69
US-08-787-321-12/c
; Sequence 12, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
;  FILE REFERENCE: (1300)-1199.002
;  CURRENT APPLICATION NUMBER: US/08/787,321A
;  CURRENT FILING DATE: 1997-01-03
;  EARLIER APPLICATION NUMBER: US PROV 60/009,918
;  EARLIER FILING DATE: 1996-01-12
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-08-787-321-12

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 30;
  Best Local Similarity   85.7%;  Pred. No. 3.1e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||||||    | ||
Db         30 TTTTTTTTTTTTTTTTTTTTTTTTTGTG 3


RESULT 70
US-09-725-265-10
; Sequence 10, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOLE
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DATA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-10

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 30;
  Best Local Similarity   85.7%;  Pred. No. 3.1e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;
```

```
Qy       2150 ATTGATTTTTTTCTCCTTTTTTTTTTTT 2177
              ||  |||||||| || ||||||||||||
Db          3 ATATATTTTTTTTTCTTTTTTTTTTTTT 30


RESULT 71
US-09-725-265-11
; Sequence 11, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;    LENGTH: 30
;    TYPE: DNA
;    ORGANISM: ARTIFICIAL SEQUENCE
;    FEATURE:
;    OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-11

  Query Match             0.8%;  Score 21.6;  DB 1;  Length 30;
  Best Local Similarity   85.7%;  Pred. No. 3.1e+02;
  Matches   24;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCCTTTTTTTTTTTT 2177
              ||  |||||||| | ||||||||||||
Db          3 ATATATTTTTTTTTCTTTTTTTTTTTT 30


RESULT 72
US-08-227-476-5/c
; Sequence 5, Application US/08227476
; Patent No. 6498025
;  GENERAL INFORMATION:
;    APPLICANT:  Miller, Jeffrey E.
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR cDNA
;    TITLE OF INVENTION:  SYNTHESIS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gray, Cary, Ames & Frye
;      STREET:  401 B Street, Suite 1700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92101-4297
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/227,476
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/989,851
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weseman, James C.
;      REGISTRATION NUMBER:  30,507
;      REFERENCE/DOCKET NUMBER:  P0023US0
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 699-3604
;      TELEFAX:  (619) 236-1048
;      TELEX:  910-335-1273
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
US-08-227-476-5

  Query Match             0.8%;  Score 21.4;  DB 1;  Length 29;
  Best Local Similarity   95.7%;  Pred. No. 3e+02;
  Matches   22;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2185
              | ||||||||||||||||||||||
Db         23 TTCTTTTTTTTTTTTTTTTTTTT 1


RESULT 73
US-08-621-914A-3
; Sequence 3, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-3

  Query Match             0.8%;  Score 21.2;  DB 1;  Length 26;
  Best Local Similarity   88.5%;  Pred. No. 2.3e+02;
  Matches   23;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       2168 TTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||| ||||
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTTG 26


RESULT 74
US-09-197-951-5
; Sequence 5, Application US/09197951
; Patent No. 6197554
;   GENERAL INFORMATION:
;        APPLICANT: LIN, SHI-LUNG
;                   CHUONG, CHENG-MING
;                   YING, SHAO-YAO
;        TITLE OF INVENTION: Method for Generating Full-Length cDNA
;                            Library from Single Cells
;        NUMBER OF SEQUENCES: 5
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: David & Raymond Patent Firm
;             STREET: 108  N. Ynez Ave.,  Suite 128
;             CITY: Monterey Park
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 91754
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/197,951
;             FILING DATE: 20-No. 6197554-1998
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Chan, Raymond Y.C.
;             REGISTRATION NUMBER: 37,484
;             REFERENCE/DOCKET NUMBER: USP8462A-SL(3)
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (626) 571-9812
;             TELEFAX: (626) 571-9813
;   INFORMATION FOR SEQ ID NO: 5:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 26 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: other nucleic acid
;             DESCRIPTION: /desc = "synthetic"
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-197-951-5

  Query Match             0.8%;  Score 21.2;  DB 1;  Length 26;
  Best Local Similarity   88.5%;  Pred. No. 2.3e+02;
  Matches   23;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTT 2180
                |||||||  | ||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTTTTTTT 26


RESULT 75
US-09-527-345-6
; Sequence 6, Application US/09527345
; Patent No. 6331413
; GENERAL INFORMATION:
;  APPLICANT:  Sheppard, Paul O.
;  APPLICANT:  Adler, David A.
;  TITLE OF INVENTION:  SECRETED SALIVARY ZSIG63 POLYPEPTIDE
;  FILE REFERENCE:  97-71
;  CURRENT APPLICATION NUMBER: US/09/527,345
;  CURRENT FILING DATE:  1999-03-17
;  PRIOR APPLICATION NUMBER:  US 60/124,820
;  PRIOR FILING DATE:  1999-03-17
;  NUMBER OF SEQ ID NOS:  9
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 6
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7231
US-09-527-345-6

  Query Match             0.8%;  Score 21.2;  DB 1;  Length 26;
  Best Local Similarity   95.5%;  Pred. No. 2.3e+02;
  Matches   21;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTA 2187
                |||||||||||||||||||:
Db          5 TTTTTTTTTTTTTTTTTTTTV 26


RESULT 76
US-09-167-513-10
; Sequence 10, Application US/09167513
; Patent No. 6388064
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell C.
;  APPLICANT: Blumberg, Hal
;  TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
;  FILE REFERENCE: 97-63
;  CURRENT APPLICATION NUMBER: US/09/167,513
;  CURRENT FILING DATE: 1998-10-06
;  EARLIER APPLICATION NUMBER: US 60/061,712
;  EARLIER FILING DATE: 1997-10-06
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7231
US-09-167-513-10

  Query Match             0.8%;  Score 21.2;  DB 1;  Length 26;
  Best Local Similarity   95.5%;  Pred. No. 2.3e+02;
  Matches   21;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTA 2187
                |||||||||||||||||||:
Db          5 TTTTTTTTTTTTTTTTTTTTV 26


RESULT 77
US-09-161-939A-43
; Sequence 43, Application US/09161939A
; Patent No. 6486299
; GENERAL INFORMATION:
;  APPLICANT: Shimkets, Richard A.
;  TITLE OF INVENTION: Genes and Proteins Predictive and Therapeutic for
;  TITLE OF INVENTION:  Stroke, Hypertension, Diabetes, and Obesity
;  FILE REFERENCE: 15966-527
;  CURRENT APPLICATION NUMBER: US/09/161,939A
;  CURRENT FILING DATE:  1998-09-28
;  NUMBER OF SEQ ID NOS: 44
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: oligo(dT)<25>V
US-09-161-939A-43
```

```
  Query Match             0.8%;  Score 21.2;  DB 1;  Length 26;
  Best Local Similarity   95.5%;  Pred. No. 2.3e+02;
  Matches   21;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTA 2187
              |||||||||||||||||||:
Db          5 TTTTTTTTTTTTTTTTTTTTV 26


RESULT 78
US-08-113-646A-5
; Sequence 5, Application US/08113646A
; Patent No. 5578468
;  GENERAL INFORMATION:
;    APPLICANT:  PICKUP, David J.
;    APPLICANT:  PATEL, Dhavalkumar
;    APPLICANT:  ANTCZAK, James B.
;    TITLE OF INVENTION:  SITE-SPECIFIC RNA CLEAVAGE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/113,646A
;      FILING DATE:  31-AUG-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/084,406
;      FILING DATE:  10-AUG-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1579-20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  RNA (genomic)
US-08-113-646A-5

  Query Match             0.8%;  Score 21.2;  DB 1;  Length 32;
  Best Local Similarity   80.8%;  Pred. No. 4.6e+02;
  Matches   21;  Conservative    2;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||| :: | ||||||||||||||||
Db          7 AGAUUUUAUAAAAAAAAAAAAAAAAA 32


RESULT 79
US-09-619-103-14/c
; Sequence 14, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 32
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence to act as a linker
US-09-619-103-14

  Query Match             0.8%;  Score 21.2;  DB 1;  Length 32;
  Best Local Similarity   88.5%;  Pred. No. 4.6e+02;
  Matches   23;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTAACTT 2191
              |||||||||||||||||||||  | |
Db         32 TTTTTTTTTTTTTTTTTTTTTGCAT 7


RESULT 80
US-08-455-896-13
; Sequence 13, Application US/08455896
; Patent No. 5668267
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,896
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-455-896-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
```

```
                    ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 81
US-08-933-149-13
; Sequence 13, Application US/08933149
; Patent No. 5922836
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  MAMMAGLOBIN, A SECRETED
;    TITLE OF INVENTION:  MAMMARY SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/933,149
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HENDERSON, MELODIE W.
;      REGISTRATION NUMBER:  37,848
;      REFERENCE/DOCKET NUMBER:  6029-6040
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-933-149-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
                ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 82
US-09-082-343-13
; Sequence 13, Application US/09082343
; Patent No. 5968754
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,343
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/455,896
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-082-343-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
                ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 83
US-08-863-639A-10/c
; Sequence 10, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
```

```
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-10

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         21 TTTTTTTTTTTTTTTTTTTT 1


RESULT 84
US-08-863-639A-13
; Sequence 13, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 85
US-08-416-214A-12
; Sequence 12, Application US/08416214A
; Patent No. 5998596
;  GENERAL INFORMATION:
;    APPLICANT:  Bergan, Raymond; Neckers, Len
;    TITLE OF INVENTION:  Inhibition Of Protein
;    TITLE OF INVENTION:  Kinase Activity By Aptameric Action Of
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/416,214A
;      FILING DATE:  04-APR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Kathryn M.
;      REGISTRATION NUMBER:  34,556
;      REFERENCE/DOCKET NUMBER:  2026-4166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;      TELEX:  421792
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  Nucleic acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Other nucleic acid
;    HYPOTHETICAL:  Yes
;    ANTI-SENSE:  No
US-08-416-214A-12

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 86
US-09-082-253-13
; Sequence 13, Application US/09082253
; Patent No. 6004756
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,253
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/455,896
;      FILING DATE:  05/31/1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-082-253-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 87
US-09-162-622-13
; Sequence 13, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
;  APPLICANT: WATSON, MARK A
;  APPLICANT: FLEMING, TIMOTHY P
;  TITLE OF INVENTION: Mammaglobin, A Secreted Mammary-Specific Breast Cancer
;  TITLE OF INVENTION: Protein
;  FILE REFERENCE: 6029-5134
;  CURRENT APPLICATION NUMBER: US/09/162,622
;  CURRENT FILING DATE: 1998-09-29
;  EARLIER APPLICATION NUMBER: 08/933,149
;  EARLIER FILING DATE: 1997-09-18
;  EARLIER APPLICATION NUMBER: PCT/US96/08235
;  EARLIER FILING DATE: 1996-05-31
;  EARLIER APPLICATION NUMBER: 08/455,896
;  EARLIER FILING DATE: 1995-05-31
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-162-622-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 88
US-09-509-015-13
; Sequence 13, Application US/09509015
; Patent No. 6677428
;  GENERAL INFORMATION:
;       APPLICANT: WATSON, MARK S.; FLEMING, TIMOTHY P.
;       TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
;                           MAMMARY SPECIFIC BREAST CANCER PROTEIN
;       NUMBER OF SEQUENCES: 14
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: HOWELL & HAFERKAMP, L.C.
;            STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
;            CITY: ST. LOUIS
;            STATE: MISSOURI
;            COUNTRY: USA
;            ZIP: 63105-1817
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/509,015
;            FILING DATE: 30-May-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: PCT/US98/17991
;            FILING DATE: 1998-09-18
;            APPLICATION NUMBER: 08/933,149
;            FILING DATE: 1997-09-18
;       ATTORNEY/AGENT INFORMATION:
;            NAME: KASTEN, DANIEL S.
;            REGISTRATION NUMBER: 45,363
;            REFERENCE/DOCKET NUMBER: 6029-3654
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (314) 727-5188
;            TELEFAX: (314) 727-6092
;   INFORMATION FOR SEQ ID NO: 13:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 21 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: cDNA to mRNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-509-015-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 89
PCT-US96-08235-13
; Sequence 13, Application PC/TUS9608235
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
```

```
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/08235
;       FILING DATE:
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  HOLLAND, DONALD R.
;       REGISTRATION NUMBER:  35,197
;       REFERENCE/DOCKET NUMBER:  964796
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (314) 727-5188
;       TELEFAX:  (314) 727-6092
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA to mRNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
PCT-US96-08235-13

  Query Match             0.7%;  Score 21;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 90
US-08-123-449A-19/c
; Sequence 19, Application US/08123449A
; Patent No. 5583032
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  1-4
;      OTHER INFORMATION:  A is linked by 2',5'-linkage
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  4
;      OTHER INFORMATION:  A is linked at 2' end to following
;      OTHER INFORMATION:  base through a linker moiety
US-08-123-449A-19

  Query Match             0.7%;  Score 21;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         22 TTTTTTTTTTTTTTTTTTTT 2


RESULT 91
US-08-458-050-19/c
; Sequence 19, Application US/08458050
; Patent No. 5677289
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/458,050
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/123,449
;      FILING DATE:  17-SEP-1993
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
```

```
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  miscellaneous feature
;       LOCATION:  1-4
;       OTHER INFORMATION:  A is linked by 2',5'-linkage
;     FEATURE:
;       NAME/KEY:  miscellaneous feature
;       LOCATION:  4
;       OTHER INFORMATION:  A is linked at 2' end to following
;       OTHER INFORMATION:  base through a linker moiety
US-08-458-050-19

  Query Match             0.7%;  Score 21;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         22 TTTTTTTTTTTTTTTTTTTT 2


RESULT 92
US-08-847-844A-94/c
; Sequence 94, Application US/08847844A
; Patent No. 6150160
;  GENERAL INFORMATION:
;    APPLICANT:  KAZAZIAN JR., HAIG H.
;    APPLICANT:  BOEKE, JEF D.
;    APPLICANT:  MORAN, JOHN V.
;    APPLICANT:  DOMBROSKI, BETH A.
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS OF USE OF
;    TITLE OF INVENTION:  MAMMALIAN RETROTRANSPOSONS
;    NUMBER OF SEQUENCES:  137
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PANITCH SCHWARZE JACOBS & NADEL, P.C.
;      STREET:  ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND FL.
;      CITY:  PHILADELPHIA
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103-7086
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/847,844A
;      FILING DATE:  28-APR-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/749,805
;      FILING DATE:  16-NOV-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/006,831
;      FILING DATE:  16-NOV-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DOYLE LEARY Ph.D., KATHRYN
;      REGISTRATION NUMBER:  36,317
;      REFERENCE/DOCKET NUMBER:  9596-23U2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-567-2020
;      TELEFAX:  215-567-2991
;  INFORMATION FOR SEQ ID NO:  94:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  RNA (genomic)
US-08-847-844A-94

  Query Match             0.7%;  Score 21;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         22 TTTTTTTTTTTTTTTTTTTT 2


RESULT 93
US-08-950-196-19/c
; Sequence 19, Application US/08950196
; Patent No. 6271369
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/950,196
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449
;      FILING DATE:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  1-4
;      OTHER INFORMATION:  A is linked by 2',5'-linkage
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  4
;      OTHER INFORMATION:  A is linked at 2' end to following
;      OTHER INFORMATION:  base through a linker moiety
```

```
US-08-950-196-19

  Query Match             0.7%;  Score 21;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         22 TTTTTTTTTTTTTTTTTTTT 2


RESULT 94
US-09-720-201A-25/c
; Sequence 25, Application US/09720201A
; Patent No. 6524853
; GENERAL INFORMATION:
;  APPLICANT: KOHARA, MICHINORI
;  APPLICANT:  KOHARA, KYOKO
;  APPLICANT:  TAIRA, KAZUNARI
;  APPLICANT:  MATSUZAKI, JUNICHI
;  APPLICANT:  OHMORI, HIROSHI
;  TITLE OF INVENTION: A VECTOR EXPRESSING AN RNA VIRAL FULL-LENGTH GENE AND
;  TITLE OF INVENTION:  ITS USE
;  FILE REFERENCE: 04853.0051-00000
;  CURRENT APPLICATION NUMBER: US/09/720,201A
;  CURRENT FILING DATE:  2000-12-22
;  PRIOR APPLICATION NUMBER: JP 98/177,820
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: PCT/JP99/03381
;  PRIOR FILING DATE: 1999-06-24
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Poly A
;   OTHER INFORMATION: nucleotide sequence
US-09-720-201A-25

  Query Match             0.7%;  Score 21;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         22 TTTTTTTTTTTTTTTTTTTT 2


RESULT 95
US-08-014-943A-25/c
; Sequence 25, Application US/08014943A
; Patent No. 5545551
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  Cloning And Expression Of PUR Protein
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/014,943A
;      FILING DATE:  02)FEB)1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-033
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212 790-9090
;      TELEFAX:  212 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-014-943A-25

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 96
US-08-486-421-50/c
; Sequence 50, Application US/08486421
; Patent No. 5672479
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,421
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/470,911
;      FILING DATE:  06-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  50:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-486-421-50
```

```
  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 97
US-08-470-911-50/c
; Sequence 50, Application US/08470911
; Patent No. 5756684
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/470,911
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  50:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-470-911-50

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 98
US-08-735-381-1/c
; Sequence 1, Application US/08735381
; Patent No. 5853993
;  GENERAL INFORMATION:
;    APPLICANT:  Dellinger, Douglas J.
;    APPLICANT:  Dahm, SueAnn
;    APPLICANT:  Troll, Mark
;    TITLE OF INVENTION:  SIGNAL ENHANCEMENT METHOD AND KIT
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hewlett-Packard Company, Legal Dept.,
;      ADDRESSEE:  Intellectual Property
;      STREET:  1501 Page Mill Road, MS 4U-10
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304-1126
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/735,381
;      FILING DATE:  21-OCT-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10950427-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-857-4125
;      TELEFAX:  650-852-8063
;      TELEX:  348-461
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  mRNA
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-08-735-381-1

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 99
US-08-486-809-50/c
; Sequence 50, Application US/08486809
; Patent No. 5869622
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,809
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/470,911
;      FILING DATE:  06-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
```

```
;       REFERENCE/DOCKET NUMBER:  6923-053
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 790-9090
;       TELEFAX:  (212) 869-9741/8864
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  50:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  24 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-486-809-50

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 100
US-09-183-619-7/c
; Sequence 7, Application US/09183619
; Patent No. 6103474
; GENERAL INFORMATION:
;  APPLICANT: DELLINGER, DOUGLAS J.
;  APPLICANT: DAHM, SUEANN C.
;  APPLICANT: ILSLEY, DIANE D.
;  APPLICANT: ACH, ROBERT A.
;  APPLICANT: TROLL, MARK A.
;  TITLE OF INVENTION: HYBRIDIZATION ASSAY SIGNAL ENHANCEMENT
;  FILE REFERENCE: 10981619-1
;  CURRENT APPLICATION NUMBER: US/09/183,619
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: 08/735,381
;  EARLIER FILING DATE: 1996-10-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 24
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: poly A-RNA target
;   OTHER INFORMATION: analyte
US-09-183-619-7

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 101
US-09-201-674-1/c
; Sequence 1, Application US/09201674
; Patent No. 6110682
;   GENERAL INFORMATION:
;       APPLICANT: Dellinger, Douglas J.
;                  Dahm, SueAnn
;                  Troll, Mark
;       TITLE OF INVENTION: SIGNAL ENHANCEMENT METHOD AND KIT
;       NUMBER OF SEQUENCES: 5
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Hewlett-Packard Company, Legal Dept.,
;                       Intellectual Property
;            STREET: 1501 Page Mill Road, MS 4U-10
;            CITY: Palo Alto
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94304-1126
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/201,674
;            FILING DATE: 30-No. 6110682-1998
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/735,381
;            FILING DATE: 21-OCT-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Choi, Wendy A.
;            REGISTRATION NUMBER: 36,697
;            REFERENCE/DOCKET NUMBER: 10950427-1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650-857-4125
;            TELEFAX: 650-852-8063
;            TELEX: 348-461
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 24 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: mRNA
;       HYPOTHETICAL: YES
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-201-674-1

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 102
US-09-536-936-11/c
; Sequence 11, Application US/09536936
; Patent No. 6346384
; GENERAL INFORMATION:
;  APPLICANT: Pollner, Reinhold
;  TITLE OF INVENTION: Real Time Monitoriing of PCR Using LOCI
;  FILE REFERENCE: BEH-7438
;  CURRENT APPLICATION NUMBER: US/09/536,936
;  CURRENT FILING DATE:  2001-06-11
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 11
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide attached to beads
US-09-536-936-11

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4
```

```
RESULT 103
US-09-025-639-4/c
; Sequence 4, Application US/09025639
; Patent No. 6365346
; GENERAL INFORMATION:
;  APPLICANT: Kurn, Nurith
;  APPLICANT:  Patel, Rajesh D.
;  TITLE OF INVENTION: Quantitative Determination of Nucleic
;  TITLE OF INVENTION:  Acid Amplification Products
;  FILE REFERENCE: BEH-7408
;  CURRENT APPLICATION NUMBER: US/09/025,639
;  CURRENT FILING DATE:  1998-02-18
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (1)...(24)
;   OTHER INFORMATION: Synthetic DNA Probe
US-09-025-639-4

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 104
US-09-333-237-4/c
; Sequence 4, Application US/09333237
; Patent No. 6406667
; GENERAL INFORMATION:
;  APPLICANT: Singh, Sharat
;  APPLICANT:  Ullman, Edwin F.
;  TITLE OF INVENTION: Chemiluminescent Compositions For Use In
;  TITLE OF INVENTION:  Detection Of Multiple Analytes
;  FILE REFERENCE: BEH-7383A
;  CURRENT APPLICATION NUMBER: US/09/333,237
;  CURRENT FILING DATE:  1999-06-15
;  PRIOR APPLICATION NUMBER: 09/025,624
;  PRIOR FILING DATE: 1998-02-18
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: detection probe bound to sensitizer particle
US-09-333-237-4

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 105
US-09-732-067-1/c
; Sequence 1, Application US/09732067
; Patent No. 6457426
; GENERAL INFORMATION:
;  APPLICANT: Ullman, Edwin
;  APPLICANT:  Singh, Rajendra
;  APPLICANT:  DeKeczer, Steve
;  APPLICANT:  Davalian, Dariush
;  TITLE OF INVENTION: Amplified Luminescent Homogeneous
;  TITLE OF INVENTION:  Immunoassay
;  FILE REFERENCE: BEH-7385
;  CURRENT APPLICATION NUMBER: US/09/732,067
;  CURRENT FILING DATE:  2000-12-07
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: hybridization oligo
US-09-732-067-1

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 106
US-09-475-947A-134
; Sequence 134, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 134
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-134

  Query Match             0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 107
US-10-043-415-4/c
; Sequence 4, Application US/10043415
; Patent No. 6573054
; GENERAL INFORMATION:
;  APPLICANT: Kurn, Nurith
;  APPLICANT:  Patel, Rajesh D.
;  TITLE OF INVENTION: Quantitative Determination of Nucleic
;  TITLE OF INVENTION:  Acid Amplification Products
;  FILE REFERENCE: BEH-7408
;  CURRENT APPLICATION NUMBER: US/10/043,415
;  CURRENT FILING DATE:  2002-01-10
;  PRIOR APPLICATION NUMBER: US/09/025,639
;  PRIOR FILING DATE: 1998-02-18
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
```

```
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (1)...(24)
;   OTHER INFORMATION: Synthetic DNA Probe
US-10-043-415-4

  Query Match              0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 108
US-09-854-317-1/c
; Sequence 1, Application US/09854317
; Patent No. 6582938
; GENERAL INFORMATION:
;  APPLICANT: Su, Xing
;  APPLICANT:  Dong, Helin
;  APPLICANT:  Ryder, Thomas B.
;  TITLE OF INVENTION: Amplification of Nucleic Acids
;  FILE REFERENCE: 3234.2
;  CURRENT APPLICATION NUMBER: US/09/854,317
;  CURRENT FILING DATE:  2001-05-11
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-854-317-1

  Query Match              0.7%;  Score 21;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db         24 TTTTTTTTTTTTTTTTTTTT 4


RESULT 109
US-08-341-148-2
; Sequence 2, Application US/08341148
; Patent No. 5610287
;  GENERAL INFORMATION:
;    APPLICANT:  NIKIFOROV, THEO
;    APPLICANT:  KNAPP, MICHAEL
;    TITLE OF INVENTION:  METHOD FOR THE IMMOBILIZATION OF NUCLEIC
;    TITLE OF INVENTION:  ACID MOLECULES
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWREY & SIMON
;      STREET:  1299 PENNSYLVANIA AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/341,148
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  AUERBACH, JEFFREY I
;      REGISTRATION NUMBER:  32,680
;      REFERENCE/DOCKET NUMBER:  639-105
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 383-7451
;      TELEFAX:  (202) 383-6610
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Equus caballus
;    IMMEDIATE SOURCE:
;      CLONE:  Biotin-T25
US-08-341-148-2

  Query Match              0.7%;  Score 21;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 110
US-08-460-130-2
; Sequence 2, Application US/08460130
; Patent No. 5734020
;  GENERAL INFORMATION:
;    APPLICANT:  Yuan N. Wong
;    TITLE OF INVENTION:  Production and Use
;    TITLE OF INVENTION:  of Magnetic Porous Inorganic Materials
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CPG, Inc.
;      STREET:  3 Borinski Road
;      CITY:  Lincoln Park
;      STATE:  New Jersey
;      COUNTRY:  United States of America
;      ZIP:  07035
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3M Double Density
;      MEDIUM TYPE:  5 1/4" diskette
;      COMPUTER:  Wang PC
;      OPERATING SYSTEM:  MS DOS Version
;      OPERATING SYSTEM:  3.20
;      SOFTWARE:  WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/460,130
;      FILING DATE:  2 June 1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/307,307
;      FILING DATE:  16 September 1994
;      APPLICATION NUMBER:  07/794,910
;      FILING DATE:  20 No. 5734020ember 1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Irons, Edward S.
;      REGISTRATION NUMBER:  16,541
;      REFERENCE/DOCKET NUMBER:  Wong
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 626-3564
;      TELEFAX:  (202) 783-6031
;      TELEX:  No. 5734020e
```

```
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25
;      TYPE:  Nucleotide
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Unknown
US-08-460-130-2

  Query Match             0.7%;  Score 21;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 111
US-08-969-813-1
; Sequence 1, Application US/08969813
; Patent No. 6060246
;  GENERAL INFORMATION:
;    APPLICANT:  Summerton, James E.
;    APPLICANT:  Weller, Dwight D.
;    APPLICANT:  Wages, John M.
;    TITLE OF INVENTION:  Reagent and Method for Isolation
;    TITLE OF INVENTION:  and Detection of Selected Nucleic Acid Sequences
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dehlinger & Associates
;      STREET:  P.O. Box 60850
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  US
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/969,813
;      FILING DATE:  13-NOV-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/030,963
;      FILING DATE:  15-NOV-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gorthey, LeeAnn
;      REGISTRATION NUMBER:  37,337
;      REFERENCE/DOCKET NUMBER:  0450-0013.30
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-324-0880
;      TELEFAX:  650-324-0960
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-969-813-1

  Query Match             0.7%;  Score 21;  DB 1;  Length 25;
  Best Local Similarity   0.0%;  Pred. No. 2.2e+02;
  Matches    0;  Conservative    21;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ::::::::::::::::::::
Db          1 UUUUUUUUUUUUUUUUUUUU 21


RESULT 112
US-09-183-619-5
; Sequence 5, Application US/09183619
; Patent No. 6103474
; GENERAL INFORMATION:
;  APPLICANT: DELLINGER, DOUGLAS J.
;  APPLICANT: DAHM, SUEANN C.
;  APPLICANT: ILSLEY, DIANE D.
;  APPLICANT: ACH, ROBERT A.
;  APPLICANT: TROLL, MARK A.
;  TITLE OF INVENTION: HYBRIDIZATION ASSAY SIGNAL ENHANCEMENT
;  FILE REFERENCE: 10981619-1
;  CURRENT APPLICATION NUMBER: US/09/183,619
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: 08/735,381
;  EARLIER FILING DATE: 1996-10-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 25
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Reporter probe
US-09-183-619-5

  Query Match             0.7%;  Score 21;  DB 1;  Length 25;
  Best Local Similarity   0.0%;  Pred. No. 2.2e+02;
  Matches    0;  Conservative    21;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ::::::::::::::::::::
Db          1 UUUUUUUUUUUUUUUUUUUU 21


RESULT 113
US-09-282-734-23
; Sequence 23, Application US/09282734A
; Patent No. 6537749
; GENERAL INFORMATION:
;  APPLICANT: Robert G. Kuimelis et al.
;  TITLE OF INVENTION: ADDRESSABLE PROTEIN ARRAYS
;  FILE REFERENCE: 50036/009002
;  CURRENT APPLICATION NUMBER: US/09/282,734A
;  CURRENT FILING DATE: 1999-03-03
;  EARLIER APPLICATION NUMBER: 60/080,686
;  EARLIER FILING DATE: 1998-04-03
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Capture probe sequence
US-09-282-734-23

  Query Match             0.7%;  Score 21;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 114
PCT-US94-14096-2
; Sequence 2, Application PC/TUS9414096
;  GENERAL INFORMATION:
;    APPLICANT:  NIKIFOROV, THEO
;    APPLICANT:  KNAPP, MICHAEL
;    TITLE OF INVENTION:  METHOD FOR THE IMMOBILIZATION OF NUCLEIC
;    TITLE OF INVENTION:  ACID MOLECULES
```

```
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWREY & SIMON
;      STREET:  1299 PENNSYLVANIA AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/14096
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  AUERBACH, JEFFREY I
;      REGISTRATION NUMBER:  32,680
;      REFERENCE/DOCKET NUMBER:  639-105
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 383-7451
;      TELEFAX:  (202) 383-6610
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Equus caballus
;    IMMEDIATE SOURCE:
;      CLONE:  Biotin-T25
PCT-US94-14096-2

  Query Match             0.7%;  Score 21;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.2e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTT 2186
              |||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTTT 21


RESULT 115
US-08-621-914A-2
; Sequence 2, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-2

  Query Match             0.7%;  Score 21;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTT 2186
              |||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTTT 21


RESULT 116
US-08-873-437-2
; Sequence 2, Application US/08873437
; Patent No. 6124092
;  GENERAL INFORMATION:
;    APPLICANT:  O'Neill, Roger A.
;    APPLICANT:  Chen, Jer-Kang
;    APPLICANT:  Chiesa, Claudia
;    APPLICANT:  Fry, George
;    TITLE OF INVENTION:  Multiplex Polynucleotide Capture
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PE Applied Biosystems
;      STREET:  850 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/873,437
;      FILING DATE:  12-JUN-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/027,832
;      FILING DATE:  04-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bortner, Scott R
;      REGISTRATION NUMBER:  34,298
;      REFERENCE/DOCKET NUMBER:  4294
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-638-6245
;      TELEFAX:  415-638-6071
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-873-437-2

  Query Match             0.7%;  Score 21;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
```

```
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 117
US-09-522-217-39
; Sequence 39, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
;  APPLICANT: No. 6307024ak, Julia E.
;  APPLICANT: Presnell, Scott R.
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Holly, Richard D.
;  APPLICANT: Gross, Jane A.
;  APPLICANT: Johnston, Janet V.
;  APPLICANT: Nelson, Andrew J.
;  APPLICANT: Dillon, Stacey R.
;  APPLICANT: Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/522,217
;  CURRENT FILING DATE: 2000-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,547
;  EARLIER FILING DATE: 1999-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,904
;  EARLIER FILING DATE: 1999-03-11
;  EARLIER APPLICATION NUMBER: US 60/142,013
;  EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764b
US-09-522-217-39

  Query Match             0.7%;  Score 21;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 118
US-09-593-312-2
; Sequence 2, Application US/09593312
; Patent No. 6514699
;  GENERAL INFORMATION:
;    APPLICANT:  O'Neill, Roger A.
;    APPLICANT:  Chen, Jer-Kang
;    APPLICANT:  Chiesa, Claudia
;    APPLICANT:  Fry, George
;    TITLE OF INVENTION:  Multiplex Polynucleotide Capture
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PE Applied Biosystems
;      STREET:  850 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/593,312
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/873,437
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bortner, Scott R
;      REGISTRATION NUMBER:  34,298
;      REFERENCE/DOCKET NUMBER:  4294
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-638-6245
;      TELEFAX:  415-638-6071
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-593-312-2

  Query Match             0.7%;  Score 21;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 119
US-09-923-246-39
; Sequence 39, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
;  APPLICANT: No. 6605272ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/923,246
;  CURRENT FILING DATE:  2001-08-03
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764b
US-09-923-246-39

  Query Match             0.7%;  Score 21;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
```

```
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 120
US-09-658-077-1
; Sequence 1, Application US/09658077
; Patent No. 6627748
; GENERAL INFORMATION:
;  APPLICANT:  Ju, Jingyue
;  APPLICANT:  et al.
;  TITLE OF INVENTION:  Combinatorial Fluoresence Energy Transfer Tags And
;  TITLE OF INVENTION:  Their Applications For Multiplex Genetic Analyses
;  FILE REFERENCE:  0575/62238/JPW/ADM
;  CURRENT APPLICATION NUMBER: US/09/658,077
;  CURRENT FILING DATE:  2000-09-11
;  NUMBER OF SEQ ID NOS:  17
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;    LENGTH: 26
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: scaffold
US-09-658-077-1

  Query Match             0.7%;  Score 21;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 121
US-10-295-723-39
; Sequence 39, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
;  APPLICANT: No. 6686178ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/10/295,723
;  CURRENT FILING DATE:  2002-11-15
;  PRIOR APPLICATION NUMBER: 09/522,217
;  PRIOR FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,547
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;    LENGTH: 26
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligonucleotide primer ZC7764b
US-10-295-723-39

  Query Match             0.7%;  Score 21;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 21


RESULT 122
US-08-771-781-2/c
; Sequence 2, Application US/08771781
; Patent No. 6027886
;  GENERAL INFORMATION:
;    APPLICANT:  LEYING, Hermann
;    APPLICANT:  HINZPETER, Matthias
;    APPLICANT:  WITTOR, Heiko
;    APPLICANT:  FRITTON, Hans-Peter
;    TITLE OF INVENTION:  METHOD FOR THE QUANTITATIVE
;    TITLE OF INVENTION:  DETECTION OF SPECIFIC NUCLEIC ACID SEQUENCES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nikaido, Marmelstein, Murray & Oram LLP
;      STREET:  655 Fifteenth Street N.W. Suite 330
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-5701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,781
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 195 48 680.3
;      FILING DATE:  23-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murray, Robert B.
;      REGISTRATION NUMBER:  22,980
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-5000
;      TELEFAX:  (202)638-4810
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleotide
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  nucleic acid
US-08-771-781-2

  Query Match             0.7%;  Score 21;  DB 1;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 4.1e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||||
Db         22 TGAAAAAAAAAAAAAAAAAAA 2


RESULT 123
US-10-003-998A-4
; Sequence 4, Application US/10003998A
; Patent No. 6664064
; GENERAL INFORMATION:
;  APPLICANT: Roche Diagnostics GmbH
;  TITLE OF INVENTION: Method for melting curve analysis of repetitive PCR
;  TITLE OF INVENTION:  products
;  FILE REFERENCE: 5438/00/EP
;  CURRENT APPLICATION NUMBER: US/10/003,998A
;  CURRENT FILING DATE:  2001-11-14
```

```
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-003-998A-4

  Query Match              0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity   82.8%;  Pred. No. 5e+02;
  Matches   24;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2776 GTTAGAATTGAAAAAAAAAAAAAAAAAA 2804
                | || ||   ||||||||||||||||||
Db          4 GGTAAAAAAAAAAAAAAAAAAAAAAAAAA 32


RESULT 124
US-08-627-706-7
; Sequence 7, Application US/08627706
; Patent No. 5773696
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip M.
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Charles E. Cohen, Monsanto Company, BB4F
;      STREET:  700 Chesterfield Village Parkway No. 5773696th
;      CITY:  St. Louis
;      STATE:  Missouri
;      COUNTRY:  USA
;      ZIP:  63198
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/627,706
;      FILING DATE:
;      CLASSIFICATION:  436
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cohen, Charles E.
;      REGISTRATION NUMBER:  34,565
;      REFERENCE/DOCKET NUMBER:  38-21(10700)A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314)537-6224
;      TELEFAX:  (314)537-6047
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA"
US-08-627-706-7

  Query Match              0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity  100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
                ||||||||||||||||||||
Db         12 TCCTTTTTTTTTTTTTTTTT 32


RESULT 125
US-08-766-355-8
; Sequence 8, Application US/08766355
; Patent No. 6121436
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip Maganlal
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    APPLICANT:  Hakimi, Salim
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 77210
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  United States of America
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/766,355
;      FILING DATE:  Concurrently Herewith
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kitchell, Barbara S.
;      REGISTRATION NUMBER:  33,928
;      REFERENCE/DOCKET NUMBER:  MOBT:063
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (512) 474-7577
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-766-355-8

  Query Match              0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity  100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
                ||||||||||||||||||||
Db         12 TCCTTTTTTTTTTTTTTTTT 32


RESULT 126
US-09-103-489-7
; Sequence 7, Application US/09103489
; Patent No. 6215048
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip M.
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Charles E. Cohen, Monsanto Company, BB4F
;      STREET:  700 Chesterfield Village Parkway No. 6215048th
;      CITY:  St. Louis
;      STATE:  Missouri
;      COUNTRY:  USA
;      ZIP:  63198
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/103,489
;       FILING DATE:  24-JUN-1998
;       CLASSIFICATION:  800
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Cohen, Charles E.
;       REGISTRATION NUMBER:  34,565
;       REFERENCE/DOCKET NUMBER:  38-21 (10700)A
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (314) 537-6224
;       TELEFAX:  (314) 537-6047
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  32 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "synthetic DNA"
US-09-103-489-7

  Query Match             0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||||
Db         12 TCCTTTTTTTTTTTTTTTTT 32


RESULT 127
US-09-003-198A-8
; Sequence 8, Application US/09003198A
; Patent No. 6316407
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip Maganlal
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    APPLICANT:  Hakimi, Salim
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  USA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/003,198A
;      FILING DATE:  07-JAN-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Patterson, Melinda L.
;      REGISTRATION NUMBER:  33,062
;      REFERENCE/DOCKET NUMBER:  MOBT:193
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (713) 787-1400
;      TELEFAX:  (713) 787-1440
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-003-198A-8

  Query Match             0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||||
Db         12 TCCTTTTTTTTTTTTTTTTT 32


RESULT 128
US-09-428-805-8
; Sequence 8, Application US/09428805
; Patent No. 6329504
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip Maganlal
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    APPLICANT:  Hakimi, Salim
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 77210
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  United States of America
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/428,805
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/766,355
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kitchell, Barbara S.
;      REGISTRATION NUMBER:  33,928
;      REFERENCE/DOCKET NUMBER:  MOBT:063
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (512) 474-7577
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-428-805-8

  Query Match             0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||||
Db         12 TCCTTTTTTTTTTTTTTTTT 32


RESULT 129
US-09-732-210-16
; Sequence 16, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
```

```
;  APPLICANT: Bunkers, Greg J.
;  APPLICANT:  Liang, Jihong
;  APPLICANT:  Mittanck, Cindy A.
;  APPLICANT:  Seale, Jeffrey W.
;  APPLICANT:  Wu, Yonnie S.
;  TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
;  FILE REFERENCE: 38-21(15036)B
;  CURRENT APPLICATION NUMBER: US/09/732,210
;  CURRENT FILING DATE:  2000-12-07
;  PRIOR APPLICATION NUMBER: US 60/169,513
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: US 60/169,340
;  PRIOR FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 16
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-09-732-210-16

  Query Match             0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
             ||||||||||||||||||||
Db         12 TCCTTTTTTTTTTTTTTTTT 32


RESULT 130
US-09-829-381D-7
; Sequence 7, Application US/09829381D
; Patent No. 6653280
; GENERAL INFORMATION:
;  APPLICANT: Liang, Jihong
;  APPLICANT:  Shah, Dilip M.
;  APPLICANT:  Wu, Yonnie S.
;  APPLICANT:  Rosenberger, Cindy A.
;  TITLE OF INVENTION: Antifungal Polypeptide ALYAFP from Alyssum and Methods for Contro
;  TITLE OF INVENTION:  Plant Pathogenic Fungi
;  FILE REFERENCE: 38-21 (10700) C
;  CURRENT APPLICATION NUMBER: US/09/829,381D
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 09/103,489
;  PRIOR FILING DATE: 1998-06-24
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide
US-09-829-381D-7

  Query Match             0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
             ||||||||||||||||||||
Db         12 TCCTTTTTTTTTTTTTTTTT 32


RESULT 131
PCT-US92-10792-1
; Sequence 1, Application PC/TUS9210792
;  GENERAL INFORMATION:
;    APPLICANT:  Jayasena, Sumedha D.
;    APPLICANT:  Johnston, Brian H.
;    TITLE OF INVENTION:  Triple Helix Formation at
;    TITLE OF INVENTION:  (PuNPyN)-(PuNPyN) Tracts
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SRI International
;      STREET:  333 Ravenswood Avenue
;      CITY:  Menlo Park
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/10792
;      FILING DATE:  19921211
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/826,934
;      FILING DATE:  21-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/808,452
;      FILING DATE:  13-DEC-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fabian, Gary R.
;      REGISTRATION NUMBER:  33,875
;      REFERENCE/DOCKET NUMBER:  P-3141
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 859-4550
;      TELEFAX:  (415) 859-3880
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  OLIGONUCLEOTIDE I, FIGURE 8
PCT-US92-10792-1

  Query Match             0.7%;  Score 21;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 5e+02;
  Matches   21;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
             ||||||||||||||||||||
Db          9 TTTTTTTTTTTTTTTTTTTT 29


RESULT 132
US-09-721-154-1/c
; Sequence 1, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
;  APPLICANT: Vaisberg, Eugeni
;  APPLICANT:  Adams, Cynthia
;  APPLICANT:  Sabry, James
;  APPLICANT:  Crompton, Anne
;  TITLE OF INVENTION: Database system including computer code
;  TITLE OF INVENTION:  for predictive cellular bioinformatics
;  FILE REFERENCE: CytoP007C2
;  CURRENT APPLICATION NUMBER: US/09/721,154
;  CURRENT FILING DATE:  2002-06-14
;  PRIOR APPLICATION NUMBER: 09/311,996
;  PRIOR FILING DATE: 1999-05-14
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: PastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 24
;   TYPE: DNA
```

```
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Psuedo-sequence
US-09-721-154-1

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 24;
  Best Local Similarity   91.7%;  Pred. No. 2.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              |||  ||||||||||||||||||||
Db         24 AATAAAAAAAAAAAAAAAAAAAAA 1


RESULT 133
US-08-996-306-10
; Sequence 10, Application US/08996306
; Patent No. 5945522
;  GENERAL INFORMATION:
;    APPLICANT:  Cohen, Daniel
;    APPLICANT:  Chumakov, Ilya
;    APPLICANT:  Blumenfeld, Marta
;    APPLICANT:  Bougueleret, Lydie
;    TITLE OF INVENTION:  Prostate cancer gene
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson & Bear
;      STREET:  501 West Broadway
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92101-3505
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Win95
;      SOFTWARE:  Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/996,306
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned A.
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  GENSET.018A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    FEATURE:
;      NAME/KEY:  PGRT32
;      LOCATION:  complement 5198..5221
;      OTHER INFORMATION:  Location relative to seqID3
US-08-996-306-10

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 24;
  Best Local Similarity   91.7%;  Pred. No. 2.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2167 TTTTTTTTTTTTTTTTTTTTAACT 2190
              |||||||||||||||||||| || |
Db          1 TTTTTTTTTTTTTTTTTTTTGAAAT 24


RESULT 134
US-08-996-306-10/c
; Sequence 10, Application US/08996306
; Patent No. 5945522
;  GENERAL INFORMATION:
;    APPLICANT:  Cohen, Daniel
;    APPLICANT:  Chumakov, Ilya
;    APPLICANT:  Blumenfeld, Marta
;    APPLICANT:  Bougueleret, Lydie
;    TITLE OF INVENTION:  Prostate cancer gene
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson & Bear
;      STREET:  501 West Broadway
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92101-3505
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Win95
;      SOFTWARE:  Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/996,306
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned A.
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  GENSET.018A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    FEATURE:
;      NAME/KEY:  PGRT32
;      LOCATION:  complement 5198..5221
;      OTHER INFORMATION:  Location relative to seqID3
US-08-996-306-10

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 24;
  Best Local Similarity   91.7%;  Pred. No. 2.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              | || ||||||||||||||||||||
Db         24 ATTTCAAAAAAAAAAAAAAAAAAA 1


RESULT 135
US-09-338-907-10
; Sequence 10, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
```

```
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..24
;   OTHER INFORMATION: primer oligonucleotide PGRT32
US-09-338-907-10

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 24;
  Best Local Similarity   91.7%;  Pred. No. 2.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2167 TTTTTTTTTTTTTTTTTTTTAACT 2190
              |||||||||||||||||||| || |
Db          1 TTTTTTTTTTTTTTTTTTTGAAAT 24


RESULT 136
US-09-338-907-10/c
; Sequence 10, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..24
;   OTHER INFORMATION: primer oligonucleotide PGRT32
US-09-338-907-10

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 24;
  Best Local Similarity   91.7%;  Pred. No. 2.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              | || ||||||||||||||||||||
Db         24 ATTTCAAAAAAAAAAAAAAAAAAA 1


RESULT 137
US-09-218-207-10
; Sequence 10, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..24
;   OTHER INFORMATION: primer oligonucleotide PGRT32
US-09-218-207-10

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 24;
  Best Local Similarity   91.7%;  Pred. No. 2.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2167 TTTTTTTTTTTTTTTTTTTTAACT 2190
              |||||||||||||||||||| || |
Db          1 TTTTTTTTTTTTTTTTTTTGAAAT 24


RESULT 138
US-09-218-207-10/c
; Sequence 10, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..24
;   OTHER INFORMATION: primer oligonucleotide PGRT32
US-09-218-207-10

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 24;
  Best Local Similarity   91.7%;  Pred. No. 2.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              | || ||||||||||||||||||||
Db         24 ATTTCAAAAAAAAAAAAAAAAAAA 1


RESULT 139
US-09-475-947A-153/c
; Sequence 153, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
```

```
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 153
;   LENGTH: 27
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-153

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 27;
  Best Local Similarity   91.7%;  Pred. No. 3.1e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              || | ||||||||||||||||||||
Db            27 AAATAAAAAAAAAAAAAAAAAAAA 4


RESULT 140
US-09-325-554-18/c
; Sequence 18, Application US/09325554
; Patent No. 6410235
; GENERAL INFORMATION:
;  APPLICANT: Weindel, Kurt
;  APPLICANT:  Brand, Joachim
;  TITLE OF INVENTION: DNA DETECTION BY MEANS OF A STRAND REASSOCIATION COMPLEX
;  FILE REFERENCE: 024420-00008
;  CURRENT APPLICATION NUMBER: US/09/325,554
;  CURRENT FILING DATE:  1999-06-04
;  PRIOR APPLICATION NUMBER: 198-24-900.4
;  PRIOR FILING DATE: 1998-06-04
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: Patent-In version 3.1
; SEQ ID NO 18
;   LENGTH: 27
;   TYPE: DNA
;   ORGANISM: Mycobacterium tuberculosis
;   FEATURE:
;   NAME/KEY: misc_signal
;   LOCATION: (27)..(27)
;   OTHER INFORMATION: Y means incorporation of Aminolinker-phosphoramidite subsequently
;   OTHER INFORMATION: estered with 3-O carboxymethyl digoxigenin
US-09-325-554-18

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 27;
  Best Local Similarity   84.6%;  Pred. No. 3.1e+02;
  Matches   22;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAA 2804
              |:||   ||||||||||||||||||
Db            27 ARAAAAAAAAAAAAAAAAAAAAAAA 2

RESULT 141
US-09-603-830-51/c
; Sequence 51, Application US/09603830
; Patent No. 6506564
; GENERAL INFORMATION:
;  APPLICANT:  Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION:  NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE:  4149-1-1-1-1
;  CURRENT APPLICATION NUMBER: US/09/603,830
;  CURRENT FILING DATE:  2000-06-26
;  PRIOR APPLICATION NUMBER:  60/031,809
;  PRIOR FILING DATE:  1996-07-29
;  PRIOR APPLICATION NUMBER:  PCT/US97/12783
;  PRIOR FILING DATE:  1997-07-21
;  PRIOR APPLICATION NUMBER:  09/240,755
;  PRIOR FILING DATE:  1999-01-29
;  PRIOR APPLICATION NUMBER:  09/344,667
;  PRIOR FILING DATE:  1999-06-25
;  PRIOR APPLICATION NUMBER:  60/200,161
;  PRIOR FILING DATE:  2000-04-26
;  NUMBER OF SEQ ID NOS:  64
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-603-830-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTT 2186
              | | ||||||||||||||||||||
Db            24 TGCGTTTTTTTTTTTTTTTTTT 1


RESULT 142
US-09-976-978A-51/c
; Sequence 51, Application US/09976978A
; Patent No. 6532097
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i17
;  CURRENT APPLICATION NUMBER: US/09/976,978A
;  CURRENT FILING DATE:  2002-03-05
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-976-978A-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
```

```
Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
                | | ||||||||||||||||||||||
Db         24 TGCGTTTTTTTTTTTTTTTTTTT 1


RESULT 143
US-09-961-949A-51/c
; Sequence 51, Application US/09961949A
; Patent No. 6582921
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i1
;  CURRENT APPLICATION NUMBER: US/09/961,949A
;  CURRENT FILING DATE:  2001-09-20
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-961-949A-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
                | | ||||||||||||||||||||||
Db         24 TGCGTTTTTTTTTTTTTTTTTTT 1


RESULT 144
US-09-966-491A-51/c
; Sequence 51, Application US/09966491A
; Patent No. 6610491
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i4
;  CURRENT APPLICATION NUMBER: US/09/966,491A
;  CURRENT FILING DATE:  2002-03-12
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-966-491A-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
                | | ||||||||||||||||||||||
Db         24 TGCGTTTTTTTTTTTTTTTTTTT 1


RESULT 145
US-09-750-401-10
; Sequence 10, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 32
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of GADD45
US-09-750-401-10

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   3.1%;  Pred. No. 5.5e+02;
  Matches    1;  Conservative   24;  Mismatches    7;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTTTT 2186
                : ::::: : |:::::::::::::  : ::: :
Db          1 UAUUUUUUUUCUUUUUUUUUUUGGUCUUUAU 32


RESULT 146
US-09-957-313A-51/c
; Sequence 51, Application US/09957313A
; Patent No. 6645721
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
```

```
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i3
;  CURRENT APPLICATION NUMBER: US/09/957,313A
;  CURRENT FILING DATE:  2002-03-05
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-957-313A-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
              | | ||||||||||||||||||||
Db         24 TGCGTTTTTTTTTTTTTTTTTTT 1


RESULT 147
US-09-966-312-51/c
; Sequence 51, Application US/09966312
; Patent No. 6673548
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i5
;  CURRENT APPLICATION NUMBER: US/09/966,312
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-966-312-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
              | | ||||||||||||||||||||
Db         24 TGCGTTTTTTTTTTTTTTTTTTT 1


RESULT 148
US-09-975-062A-51/c
; Sequence 51, Application US/09975062A
; Patent No. 6677122
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i11
;  CURRENT APPLICATION NUMBER: US/09/975,062A
;  CURRENT FILING DATE:  2001-10-11
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-975-062A-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
              | | ||||||||||||||||||||
Db         24 TGCGTTTTTTTTTTTTTTTTTTT 1


RESULT 149
US-09-976-971A-51/c
; Sequence 51, Application US/09976971A
; Patent No. 6682895
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
```

```
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i18
;  CURRENT APPLICATION NUMBER: US/09/976,971A
;  CURRENT FILING DATE:  2001-10-12
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-976-971A-51

  Query Match             0.7%;  Score 20.8;  DB 1;  Length 32;
  Best Local Similarity   91.7%;  Pred. No. 5.5e+02;
  Matches   22;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
              | | ||||||||||||||||||||
Db         24 TGCGTTTTTTTTTTTTTTTTTTT 1


RESULT 150
5478746-1
;Patent No. 5478746
;    APPLICANT: COHEN, JEFFREY I.;PURCELL, ROBERT H.;FEINSTONE,
;STEPHEN M.;TICEHURST, JOHN R.
;    TITLE OF INVENTION: CDNA ENCODING ATTENUATED CELL CULTURE
;ADAPTED HEPATITIS A VIRUS GENOME
;    NUMBER OF SEQUENCES: 2
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/120,646
;      FILING DATE: 13-SEP-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 789,640
;      FILING DATE: 12-NOV-1991
;      APPLICATION NUMBER: 462,916
;      FILING DATE: 12-JAN-1990
;      APPLICATION NUMBER: 88,220
;      FILING DATE: 24-AUG-1987
;      APPLICATION NUMBER: 905,146
;      FILING DATE: 09-SEP-1986
;      APPLICATION NUMBER: 652,067
;      FILING DATE: 19-SEP-1984
;      APPLICATION NUMBER: 366,165
;      FILING DATE: 07-APR-1982
;SEQ ID NO:1:
;      LENGTH: 33
5478746-1

  Query Match             0.7%;  Score 20.6;  DB 1;  Length 33;
  Best Local Similarity   85.2%;  Pred. No. 6.5e+02;
  Matches   23;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2778 TAGAATTGAAAAAAAAAAAAAAAAAAA 2804
              || ||   |||||||||||||||||||
Db          2 TAAAAAAAAAAAAAAAAAAAAAAAAAA 28


RESULT 151
US-09-164-249B-6
; Sequence 6, Application US/09164249B
; Patent No. 6322971
; GENERAL INFORMATION:
;  APPLICANT: Chetverin, Alexander B.
;  APPLICANT:  Kramer, Fred Russel
;  TITLE OF INVENTION: NOVEL OLIGONUCLEOTIDE ARRAYS AND THEIR USE FOR SORTING,
;  TITLE OF INVENTION:  ISOLATING, SEQUENCING, AND MANIPULATING NUCLEIC ACIDS
;  FILE REFERENCE: 07763-004003
;  CURRENT APPLICATION NUMBER: US/09/164,249B
;  CURRENT FILING DATE:  1998-09-30
;  PRIOR APPLICATION NUMBER: US 08/473,010
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: US 08/247,530
;  PRIOR FILING DATE: 1994-05-23
;  PRIOR APPLICATION NUMBER: US 07/838,607
;  PRIOR FILING DATE: 1992-02-19
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetically derived DNA
US-09-164-249B-6

  Query Match             0.7%;  Score 20.4;  DB 1;  Length 24;
  Best Local Similarity   95.5%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAAAAAAA 2804
              || ||||||||||||||||||||
Db          1 TTTAAAAAAAAAAAAAAAAAA 22


RESULT 152
US-09-721-154-6
; Sequence 6, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
;  APPLICANT: Vaisberg, Eugeni
;  APPLICANT:  Adams, Cynthia
;  APPLICANT:  Sabry, James
;  APPLICANT:  Crompton, Anne
;  TITLE OF INVENTION: Database system including computer code
;  TITLE OF INVENTION:  for predictive cellular bioinformatics
;  FILE REFERENCE: CytoP007C2
;  CURRENT APPLICATION NUMBER: US/09/721,154
;  CURRENT FILING DATE:  2002-06-14
;  PRIOR APPLICATION NUMBER: 09/311,996
;  PRIOR FILING DATE: 1999-05-14
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Psuedo-sequence
US-09-721-154-6

  Query Match             0.7%;  Score 20.4;  DB 1;  Length 24;
  Best Local Similarity   95.5%;  Pred. No. 2.5e+02;
  Matches   21;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTT 2186
              |||||||||||||||||| |||
Db          1 CTTTTTTTTTTTTTTTTGTTT 22


RESULT 153
```

```
US-08-771-781-2
; Sequence 2, Application US/08771781
; Patent No. 6027886
;  GENERAL INFORMATION:
;    APPLICANT:  LEYING, Hermann
;    APPLICANT:  HINZPETER, Matthias
;    APPLICANT:  WITTOR, Heiko
;    APPLICANT:  FRITTON, Hans-Peter
;    TITLE OF INVENTION:  METHOD FOR THE QUANTITATIVE
;    TITLE OF INVENTION:  DETECTION OF SPECIFIC NUCLEIC ACID SEQUENCES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nikaido, Marmelstein, Murray & Oram LLP
;      STREET:  655 Fifteenth Street N.W. Suite 330
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-5701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,781
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 195 48 680.3
;      FILING DATE:  23-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murray, Robert B.
;      REGISTRATION NUMBER:  22,980
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-5000
;      TELEFAX:  (202)638-4810
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleotide
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  nucleic acid
US-08-771-781-2

  Query Match             0.7%;  Score 20.4;  DB 1;  Length 30;
  Best Local Similarity   95.5%;  Pred. No. 5.3e+02;
  Matches   21;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTCA 22


RESULT 154
US-09-725-265-4
; Sequence 4, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-4

  Query Match             0.7%;  Score 20.4;  DB 1;  Length 30;
  Best Local Similarity   80.0%;  Pred. No. 5.3e+02;
  Matches   24;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCCTTTTTTTTTTTTTT 2179
              ||  || |||||  |  ||||||||||||||
Db          1 ATATATATTTTTTTTGTTTTTTTTTTTTTT 30


RESULT 155
US-08-113-646A-42/c
; Sequence 42, Application US/08113646A
; Patent No. 5578468
;  GENERAL INFORMATION:
;    APPLICANT:  PICKUP, David J.
;    APPLICANT:  PATEL, Dhavalkumar
;    APPLICANT:  ANTCZAK, James B.
;    TITLE OF INVENTION:  SITE-SPECIFIC RNA CLEAVAGE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/113,646A
;      FILING DATE:  31-AUG-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/084,406
;      FILING DATE:  10-AUG-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1579-20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  RNA (genomic)
US-08-113-646A-42

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 25;
  Best Local Similarity   88.0%;  Pred. No. 3.2e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTAACTTTG 2193
```

```
                    ||||||||||||||||||    ||||
Db          25 TTTTTTTTTTTTTTTTTTTGTTTTG 1


RESULT 156
US-08-621-914A-2/c
; Sequence 2, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-2

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
                ||| ||||||||||||||||||
Db         26 GAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 157
US-08-873-437-2/c
; Sequence 2, Application US/08873437
; Patent No. 6124092
;  GENERAL INFORMATION:
;    APPLICANT:  O'Neill, Roger A.
;    APPLICANT:  Chen, Jer-Kang
;    APPLICANT:  Chiesa, Claudia
;    APPLICANT:  Fry, George
;    TITLE OF INVENTION:  Multiplex Polynucleotide Capture
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PE Applied Biosystems
;      STREET:  850 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/873,437
;      FILING DATE:  12-JUN-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/027,832
;      FILING DATE:  04-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bortner, Scott R
;      REGISTRATION NUMBER:  34,298
;      REFERENCE/DOCKET NUMBER:  4294
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-638-6245
;      TELEFAX:  415-638-6071
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-873-437-2

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
                ||| ||||||||||||||||||
Db         26 GAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 158
US-09-522-217-39/c
; Sequence 39, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
;  APPLICANT: No. 6307024ak, Julia E.
;  APPLICANT: Presnell, Scott R.
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Holly, Richard D.
;  APPLICANT: Gross, Jane A.
;  APPLICANT: Johnston, Janet V.
;  APPLICANT: Nelson, Andrew J.
;  APPLICANT: Dillon, Stacey R.
;  APPLICANT: Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/522,217
;  CURRENT FILING DATE: 2000-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,547
;  EARLIER FILING DATE: 1999-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,904
;  EARLIER FILING DATE: 1999-03-11
;  EARLIER APPLICATION NUMBER: US 60/142,013
;  EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764b
US-09-522-217-39

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
```

```
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
              |||   ||||||||||||||||||||
Db         26 GAAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 159
US-09-593-312-2/c
; Sequence 2, Application US/09593312
; Patent No. 6514699
;  GENERAL INFORMATION:
;    APPLICANT:  O'Neill, Roger A.
;    APPLICANT:  Chen, Jer-Kang
;    APPLICANT:  Chiesa, Claudia
;    APPLICANT:  Fry, George
;    TITLE OF INVENTION:  Multiplex Polynucleotide Capture
;    TITLE OF INVENTION:  Methods and Compositions
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PE Applied Biosystems
;      STREET:  850 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/593,312
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/873,437
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bortner, Scott R
;      REGISTRATION NUMBER:  34,298
;      REFERENCE/DOCKET NUMBER:  4294
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-638-6245
;      TELEFAX:  415-638-6071
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-593-312-2

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
              |||   ||||||||||||||||||||
Db         26 GAAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 160
US-09-923-246-39/c
; Sequence 39, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
;  APPLICANT: No. 6605272ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/923,246
;  CURRENT FILING DATE:  2001-08-03
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764b
US-09-923-246-39

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
              |||   ||||||||||||||||||||
Db         26 GAAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 161
US-09-658-077-1/c
; Sequence 1, Application US/09658077
; Patent No. 6627748
; GENERAL INFORMATION:
;  APPLICANT:  Ju, Jingyue
;  APPLICANT:  et al.
;  TITLE OF INVENTION:  Combinatorial Fluoresence Energy Transfer Tags And
;  TITLE OF INVENTION:  Their Applications For Multiplex Genetic Analyses
;  FILE REFERENCE:  0575/62238/JPW/ADM
;  CURRENT APPLICATION NUMBER: US/09/658,077
;  CURRENT FILING DATE:  2000-09-11
;  NUMBER OF SEQ ID NOS:  17
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: scaffold
US-09-658-077-1

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
              |||   ||||||||||||||||||||
Db         26 GAAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 162
US-10-295-723-39/c
; Sequence 39, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
;  APPLICANT: No. 6686178ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
```

```
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/10/295,723
;  CURRENT FILING DATE:  2002-11-15
;  PRIOR APPLICATION NUMBER: 09/522,217
;  PRIOR FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,547
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 39
;    LENGTH: 26
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligonucleotide primer ZC7764b
US-10-295-723-39

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
                ||||   ||||||||||||||||||||
Db         26 GAAAAAAAAAAAAAAAAAAAAAAAAA 2

RESULT 163
US-09-475-316A-59
; Sequence 59, Application US/09475316A
; Patent No. 6210942
; GENERAL INFORMATION:
;  APPLICANT:  Lewis, No. 6210942man G.
;  APPLICANT:  Davin, Laurence B.
;  APPLICANT:  Dinkova-Kostova, Albena T.
;  APPLICANT:  Fujita, Masayuki
;  APPLICANT:  Gang, David R.
;  APPLICANT:  Sarkanen, Simo
;  APPLICANT:  Ford, Joshua D
;  TITLE OF INVENTION:  RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASES,
;  TITLE OF INVENTION:  RECOMBINANT DIRIGENT PROTEINS AND METHODS OF USE
;  FILE REFERENCE:  WSUR-1-13793
;  CURRENT APPLICATION NUMBER: US/09/475,316A
;  CURRENT FILING DATE:  1999-12-30
;  PRIOR APPLICATION NUMBER:  09/307,653
;  PRIOR FILING DATE:  1999-05-07
;  PRIOR APPLICATION NUMBER:  PCT/US97/20391
;  PRIOR FILING DATE:  1997-11-07
;  PRIOR APPLICATION NUMBER:  60/054,380
;  PRIOR FILING DATE:  1997-07-31
;  PRIOR APPLICATION NUMBER:  60/030,522
;  PRIOR FILING DATE:  1996-11-08
;  NUMBER OF SEQ ID NOS:  122
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 59
;    LENGTH: 26
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:
;    OTHER INFORMATION: oligonucleotide
;    NAME/KEY: misc_feature
;    LOCATION: (1)..(26)
;    OTHER INFORMATION: cDNA synthesis linker primer
US-09-475-316A-59

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTTTTTTTT 2185
                ||||   ||||||||||||||||||||
Db          2 TCTCGAGTTTTTTTTTTTTTTTTT 26

RESULT 164
US-09-704-640-59
; Sequence 59, Application US/09704640
; Patent No. 6635459
; GENERAL INFORMATION:
;  APPLICANT:  Lewis, No. 6635459man G.
;  APPLICANT:  Davin, Laurence B.
;  APPLICANT:  Dinkova-Kostova, Albena T.
;  APPLICANT:  Fujita, Masayuki
;  APPLICANT:  Gang, David R.
;  APPLICANT:  Sarkanen, Simo
;  APPLICANT:  Ford, Joshua D
;  TITLE OF INVENTION:  RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASE,
;  TITLE OF INVENTION:  RECOMBINANT DIRIGENT PROTEIN AND METHODS OF USE
;  FILE REFERENCE:  WSUR-1-16492
;  CURRENT APPLICATION NUMBER: US/09/704,640
;  CURRENT FILING DATE:  2000-11-02
;  PRIOR APPLICATION NUMBER:  09/475,316
;  PRIOR FILING DATE:  1999-12-30
;  PRIOR APPLICATION NUMBER:  09/307,653
;  PRIOR FILING DATE:  1999-05-07
;  PRIOR APPLICATION NUMBER:  PCT/US97/20391
;  PRIOR FILING DATE:  1997-11-07
;  PRIOR APPLICATION NUMBER:  60/054,380
;  PRIOR FILING DATE:  1997-07-31
;  PRIOR APPLICATION NUMBER:  60/030,522
;  PRIOR FILING DATE:  1996-11-08
;  NUMBER OF SEQ ID NOS:  122
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 59
;    LENGTH: 26
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:
;    OTHER INFORMATION: oligonucleotide
;    NAME/KEY: misc_feature
;    LOCATION: (1)..(26)
;    OTHER INFORMATION: cDNA synthesis linker primer
US-09-704-640-59

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 26;
  Best Local Similarity   88.0%;  Pred. No. 3.6e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTTTTTTTT 2185
                ||||   ||||||||||||||||||||
Db          2 TCTCGAGTTTTTTTTTTTTTTTTT 26

RESULT 165
US-08-181-271A-85
; Sequence 85, Application US/08181271A
; Patent No. 5614395
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
```

; APPLICANT: Meins, Jr., Frederick
; APPLICANT: Montoya, Alice
; APPLICANT: Moyer, Mary B.
; APPLICANT: Neuhaus, Jean-Marc
; APPLICANT: Payne, George B.
; APPLICANT: Sperison, Christoph
; APPLICANT: Stinson, Jeffrey R.
; APPLICANT: Uknes, Scott J.
; APPLICANT: Ward, Eric R.
; APPLICANT: Williams, Shericca C.
; TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
; TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/181,271A
; FILING DATE: 13-JAN-94
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/093,301
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,197
; FILING DATE: 6-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/678,378
; FILING DATE: 1-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/305,566
; FILING DATE: 6-FEB-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/165,667
; FILING DATE: 8-MAR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/042,847
; FILING DATE: 6-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/632,441
; FILING DATE: 21-DEC-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/425,504
; FILING DATE: 20-OCT 1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/848,506
; FILING DATE: 6-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/768,122
; FILING DATE: 27-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/580,431
; FILING DATE: 7-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/368,672
; FILING DATE: 20-JUN-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/329,018
; FILING DATE: 24-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/045,957
; FILING DATE: 12-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8614
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 85:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-181-271A-85

Query Match 0.7%; Score 20.2; DB 1; Length 30;
Best Local Similarity 88.0%; Pred. No. 5.8e+02;
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
||||| ||||||||||||||| | |
Db 4 GAATTCAAAAAAAAAAAAAAACATA 28

RESULT 166
US-08-449-315-85
; Sequence 85, Application US/08449315
; Patent No. 5650505
; GENERAL INFORMATION:
; APPLICANT: Ryals, John A.
; APPLICANT: Alexander, Danny C.
; APPLICANT: Beck, James J.
; APPLICANT: Duesing, John H.
; APPLICANT: Friedrich, Leslie B.
; APPLICANT: Goodman, Robert M.
; APPLICANT: Harms, Christian
; APPLICANT: Meins, Jr., Frederick
; APPLICANT: Montoya, Alice
; APPLICANT: Moyer, Mary B.
; APPLICANT: Neuhaus, Jean-Marc
; APPLICANT: Payne, George B.
; APPLICANT: Sperison, Christoph
; APPLICANT: Stinson, Jeffrey R.
; APPLICANT: Uknes, Scott J.
; APPLICANT: Ward, Eric R.
; APPLICANT: Williams, Shericca C.
; TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
; TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/449,315
; FILING DATE: 24-MAY-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/181,271
; FILING DATE: 13-JAN-94
; APPLICATION NUMBER: US 08/093,301
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,197
; FILING DATE: 6-NOV-1992
; PRIOR APPLICATION DATA:

```
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-449-315-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
                ||||| ||||||||||||||| | |
Db             4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 167
US-08-444-803-85
; Sequence 85, Application US/08444803
; Patent No. 5654414
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/444,803
;      FILING DATE:  19-MAY-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-444-803-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2804
                ||||| ||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 168
US-08-449-043-85
; Sequence 85, Application US/08449043
; Patent No. 5689044
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/449,043
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-449-043-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2804
                ||||| ||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 169
US-08-456-265A-85
; Sequence 85, Application US/08456265A
; Patent No. 5767369
;  GENERAL INFORMATION:
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Stinson, Jeffrey R.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  111
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  520 White Plains Road, P.O. Box 2005
;      CITY:  Tarrytown
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10591
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/456,265A
;      FILING DATE:  31-MAY-95
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/181,271
;      FILING DATE:  13-JAN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meigs, J. Timothy
;      REGISTRATION NUMBER:  38,241
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727/DIV10
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8587
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-456-265A-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
                ||||| ||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 170
US-08-455-416-85
; Sequence 85, Application US/08455416
; Patent No. 5777200
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,416
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
```

```
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-416-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||||| |||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAAACATA 28


RESULT 171
US-08-455-244-85
; Sequence 85, Application US/08455244
; Patent No. 5789214
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,244
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-244-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||||| |||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAAACATA 28


RESULT 172
US-08-454-876-85
; Sequence 85, Application US/08454876
; Patent No. 5804693
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/454,876
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-454-876-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||||| |||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAAACATA 28


RESULT 173
US-08-457-364-85
; Sequence 85, Application US/08457364
; Patent No. 5847258
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
```

```
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/457,364
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-457-364-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2804
                ||||| |||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 174
US-08-456-262-85
; Sequence 85, Application US/08456262
; Patent No. 5851766
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/456,262
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
```

```
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-456-262-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAAA 2804
                ||||| ||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAAACATA 28


RESULT 175
US-08-456-240-85
; Sequence 85, Application US/08456240
; Patent No. 5856154
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/456,240
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
```

```
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-456-240-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
                ||||| |||||||||||||||  | |
Db          4 GAATTCAAAAAAAAAAAAAAAACATA 28


RESULT 176
US-08-455-736-85
; Sequence 85, Application US/08455736
; Patent No. 5880328
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,736
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-1994
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-736-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
                ||||| |||||||||||||||  | |
Db          4 GAATTCAAAAAAAAAAAAAAAACATA 28


RESULT 177
US-08-971-217-85
; Sequence 85, Application US/08971217
; Patent No. 5942662
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Friedrich, Leslie
;    APPLICANT:  Beck, James
;    APPLICANT:  Uknes, Scott
;    APPLICANT:  Ward, Eric
;    TITLE OF INVENTION:  INDUCIBLE HERBICIDE RESISTANCE
;    NUMBER OF SEQUENCES:  111
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5942662artis Corporation
;      STREET:  3054 Cornwallis Road, P.O. Box 12257
;      CITY:  Research Triangle Park
;      STATE:  NC
;      COUNTRY:  USA
;      ZIP:  27709
```

```
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/971,217
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/457,364
;      FILING DATE:  31-MAY-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/181,271
;      FILING DATE:  13-JAN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meigs, J. Timothy
;      REGISTRATION NUMBER:  38,241
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727/DIV5/CONT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8587
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-971-217-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||||| ||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 178
US-09-350-600-85
; Sequence 85, Application US/09350600
; Patent No. 6262342
;  GENERAL INFORMATION:
;    APPLICANT:  Meins, Frederick
;    APPLICANT:  Shinshi, Hideaki
;    APPLICANT:  Wenzler, Herman
;    APPLICANT:  Hofsteenge, Jan
;    APPLICANT:  Ryals, John
;    APPLICANT:  Sperisen, Christoph
;    TITLE OF INVENTION:  DNA SEQUENCES ENCODING POLYPEPTIDES
;    TITLE OF INVENTION:  HAVING BETA-1,3-GLUCANASE ACTIVITY
;    NUMBER OF SEQUENCES:  111
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6262342artis Corporation
;      STREET:  3054 Cornwallis Road, P.O. Box 12257
;      CITY:  Research Triangle Park
;      STATE:  NC
;      COUNTRY:  USA
;      ZIP:  27709
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/350,600
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/971,217
;      FILING DATE:  14-NOV-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/457,364
;      FILING DATE:  31-MAY-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/181,271
;      FILING DATE:  13-JAN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
```

```
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/381,443
;      FILING DATE:  18-JUL-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/353,312
;      FILING DATE:  17-MAY-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/226,303
;      FILING DATE:  29-JUL-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meigs, J. Timothy
;      REGISTRATION NUMBER:  38,241
;      REFERENCE/DOCKET NUMBER:  S-19825O
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8587
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-350-600-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              ||||| ||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 179
US-09-011-143-23
; Sequence 23, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-23

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTTTTTTTT 2185
              ||||  ||||||||||||||||||
Db          6 TCTCGAGTTTTTTTTTTTTTTTTT 30


RESULT 180
US-09-302-495-23
; Sequence 23, Application US/09302495
; Patent No. 6518045
;  GENERAL INFORMATION:
;      APPLICANT: IMAMURA, Takayuki
;                 MAEDA, Hiroaki
;                 FUJIYASU, Takeshi
;                 IMAGAWA, Yoshitaka
;                 TOKIYOSHI, Sachio
;      TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;      NUMBER OF SEQUENCES: 26
;      CORRESPONDENCE ADDRESS:
;           ADDRESSEE: BROWDY AND NEIMARK
;           STREET: 419 Seventh Street, N.W., Suite 300
;           CITY: Washington
;           STATE: D.C.
;           COUNTRY: USA
;           ZIP: 20004
;      COMPUTER READABLE FORM:
;           MEDIUM TYPE: Floppy disk
;           COMPUTER: IBM PC compatible
;           OPERATING SYSTEM: PC-DOS/MS-DOS
;           SOFTWARE: PatentIn Release #1.0, Version #1.30
;      CURRENT APPLICATION DATA:
;           APPLICATION NUMBER: US/09/302,495
;           FILING DATE: 30-Apr-1999
;           CLASSIFICATION: <Unknown>
;      PRIOR APPLICATION DATA:
;           APPLICATION NUMBER: US/09/011,143
;           FILING DATE: 04-FEB-1998
;           APPLICATION NUMBER: PCT/JP97/01824
;           FILING DATE: 29-MAY-1997
;           APPLICATION NUMBER: JP 165249/1996
;           FILING DATE: 04-JUN-1996
;      ATTORNEY/AGENT INFORMATION:
;           NAME: BROWDY, Roger L.
```

```
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;          TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;       INFORMATION FOR SEQ ID NO: 23:
;          SEQUENCE CHARACTERISTICS:
;             LENGTH: 30 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;          MOLECULE TYPE: cDNA
;          SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-302-495-23

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTTTTTTTT 2185
             ||||   ||||||||||||||||||
Db          6 TCTCGAGTTTTTTTTTTTTTTTTT 30


RESULT 181
US-10-079-616-23
; Sequence 23, Application US/10079616
; Patent No. 6566097
;   GENERAL INFORMATION:
;          APPLICANT: IMAMURA, Takayuki
;                     MAEDA, Hiroaki
;                     FUJIYASU, Takeshi
;                     IMAGAWA, Yoshitaka
;                     TOKIYOSHI, Sachio
;          TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;          NUMBER OF SEQUENCES: 26
;          CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;          COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;          CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/079,616
;             FILING DATE: 22-Feb-2002
;             CLASSIFICATION: <Unknown>
;          PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;          ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;          TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;       INFORMATION FOR SEQ ID NO: 23:
;          SEQUENCE CHARACTERISTICS:
;             LENGTH: 30 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;          MOLECULE TYPE: cDNA
;          SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-079-616-23

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTTTTTTTT 2185
             ||||   ||||||||||||||||||
Db          6 TCTCGAGTTTTTTTTTTTTTTTTT 30


RESULT 182
US-09-906-234-85
; Sequence 85, Application US/09906234
; Patent No. 6632981
;   GENERAL INFORMATION:
;          APPLICANT: Meins, Frederick
;                     Shinshi, Hideaki
;                     Wenzler, Herman
;                     Hofsteenge, Jan
;                     Ryals, John
;                     Sperisen, Christoph
;          TITLE OF INVENTION: DNA SEQUENCES ENCODING POLYPEPTIDES
;                              HAVING BETA-1,3-GLUCANASE ACTIVITY
;          NUMBER OF SEQUENCES: 111
;          CORRESPONDENCE ADDRESS:
;             ADDRESSEE: No. 6632981artis Corporation
;             STREET: 3054 Cornwallis Road, P.O. Box 12257
;             CITY: Research Triangle Park
;             STATE: NC
;             COUNTRY: USA
;             ZIP: 27709
;          COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;          CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/906,234
;             FILING DATE: 16-Jul-2001
;          PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/350,600
;             FILING DATE: 9-JULY-1999
;             APPLICATION NUMBER: US 08/457,364
;             FILING DATE: 31-MAY-1995
;             APPLICATION NUMBER: US 08/181,271
;             FILING DATE: 13-JAN-1994
;             APPLICATION NUMBER: US 08/093,301
;             FILING DATE: 16-JUL-1993
;             APPLICATION NUMBER: US 07/937,197
;             FILING DATE: 6-NOV-1992
;             APPLICATION NUMBER: US 07/678,378
;             FILING DATE: 1-APR-1991
;             APPLICATION NUMBER: US 07/305,566
;             FILING DATE: 6-FEB-1989
;             APPLICATION NUMBER: US 07/165,667
;             FILING DATE: 8-MAR-1988
;             APPLICATION NUMBER: US 08/042,847
;             FILING DATE: 6-APR-1993
;             APPLICATION NUMBER: US 07/632,441
;             FILING DATE: 21-DEC-1990
;             APPLICATION NUMBER: US 07/425,504
;             FILING DATE: 20-OCT 1989
;             APPLICATION NUMBER: US 07/848,506
;             FILING DATE: 6-MAR-1992
;             APPLICATION NUMBER: US 07/768,122
;             FILING DATE: 27-SEP-1991
;             APPLICATION NUMBER: US 07/580,431
;             FILING DATE: 7-SEP-1990
;             APPLICATION NUMBER: US 07/368,672
;             FILING DATE: 20-JUN-1989
;             APPLICATION NUMBER: US 07/329,018
```

```
;             FILING DATE: 24-MAR-1989
;             APPLICATION NUMBER: US 07/381,443
;             FILING DATE: 18-JUL-1989
;             APPLICATION NUMBER: US 07/353,312
;             FILING DATE: 17-MAY-1989
;             APPLICATION NUMBER: US 07/226,303
;             FILING DATE: 29-JUL-1988
;             APPLICATION NUMBER: US 08/045,957
;             FILING DATE: 12-APR-1993
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Meigs, J. Timothy
;             REGISTRATION NUMBER: 38,241
;             REFERENCE/DOCKET NUMBER: S-198250
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (919)541-8587
;             TELEFAX: (919)541-8689
;   INFORMATION FOR SEQ ID NO: 85:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 30 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 85:
US-09-906-234-85

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 30;
  Best Local Similarity   88.0%;  Pred. No. 5.8e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2804
             ||||| ||||||||||||||| | |
Db          4 GAATTCAAAAAAAAAAAAAAACATA 28


RESULT 183
US-09-619-103-14
; Sequence 14, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 32
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence to act as a linker
US-09-619-103-14

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 32;
  Best Local Similarity   84.0%;  Pred. No. 7e+02;
  Matches   21;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAA 2804
             | |:  ||||||||||||||||||||
Db          5 GGAUGCAAAAAAAAAAAAAAAAAA 29


RESULT 184
US-09-244-794A-15/c
; Sequence 15, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER: US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-15

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 33;
  Best Local Similarity   88.0%;  Pred. No. 7.7e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTTAACTTTG 2193
             |||||||||||||||||| | || |
Db         31 TTTTTTTTTTTTTTTTTTCAGTTCG 7


RESULT 185
US-09-247-190-15/c
; Sequence 15, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-15

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 33;
  Best Local Similarity   88.0%;  Pred. No. 7.7e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTTAACTTTG 2193
             |||||||||||||||||| | || |
Db         31 TTTTTTTTTTTTTTTTTTCAGTTCG 7


RESULT 186
US-09-238-710-15/c
```

```
; Sequence 15, Application US/09238710A
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 33
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-15

  Query Match             0.7%;  Score 20.2;  DB 1;  Length 33;
  Best Local Similarity   88.0%;  Pred. No. 7.7e+02;
  Matches   22;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||||||||  | || |
Db         31 TTTTTTTTTTTTTTTTTTCAGTTCG 7


RESULT 187
US-08-146-504-16
; Sequence 16, Application US/08146504
; Patent No. 5605662
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  SELF-ADDRESSABLE SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS AND
;    TITLE OF INVENTION:  DIAGNOSTICS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,504
;      FILING DATE:  No. 5605662ember 1, 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                  none
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  203/218
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-146-504-16

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
                ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20


RESULT 188
US-08-379-593-5
; Sequence 5, Application US/08379593
; Patent No. 5849480
;  GENERAL INFORMATION:
;    APPLICANT:  Cros, Philippe
;    APPLICANT:  Kurfurst, Robin
;    APPLICANT:  Battail, Nicole
;    APPLICANT:  Piga, Nadia
;    TITLE OF INVENTION:  HAPTEN ASSAY DEVICE AND USE THEREOF
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  700 South Washington Street, Suite 300
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  USA
;      ZIP:  22314
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Floppy disk, 1.44M storage
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/379,593
;      FILING DATE:  02-FEB-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berridge, William P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 36056
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-836-6400
;      TELEFAX:  703-836-2787
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "SYNTHETIC DNA"
;    FEATURE:
;      OTHER INFORMATION:  consists of nucleosides with an alpha anomer and carries
US-08-379-593-5

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
                ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20
```

```
RESULT 189
US-08-725-976-16
; Sequence 16, Application US/08725976
; Patent No. 5929208
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  METHODS FOR ELECTRONIC SYNTHESIS OF POLYMERS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  WINDOWS (VERSION 3.0)
;      SOFTWARE:  WordPerfect (Version 6.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/725,976
;      FILING DATE:  October 4, 1996
;      CLASSIFICATION:  422
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 5929208ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  222/211
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEFAX:  67-3510
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-725-976-16

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20


RESULT 190
US-08-997-080-83/c
; Sequence 83, Application US/08997080
; Patent No. 5968524
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, JAMES D.
;    APPLICANT:  TAN, PAUL L.J.
;    TITLE OF INVENTION:  METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
;    NUMBER OF SEQUENCES:  194
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Ann W. Speckman
;      STREET:  2601 Elliott Avenue, Suite 4185
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  PastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/997,080
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sleath, Janet
;      REGISTRATION NUMBER:  37,007
;      REFERENCE/DOCKET NUMBER:  11000.1007
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-269-0565
;      TELEFAX:  206-269-0563
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  83:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
US-08-997-080-83

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 191
US-08-997-362-83/c
; Sequence 83, Application US/08997362
; Patent No. 5985287
;  GENERAL INFORMATION:
;    APPLICANT:  Tan, Paul
;    APPLICANT:  Hiyama, Jun
;    APPLICANT:  Visser, Elizabeth
;    APPLICANT:  Skinner, Margot
;    APPLICANT:  Scott, Linda
;    APPLICANT:  Prestidge, Ross
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR
;    TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
;    NUMBER OF SEQUENCES:  194
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Ann W. Speckman
;      STREET:  2601 Elliott Avenue, Suite 4185
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  PastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/997,362
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  U.S. Patent Application No. 5985287 08/873,970
;      FILING DATE:  June 12, 1997
;      APPLICATION NUMBER:  U.S. Patent Application No. 5985287 08/705,347
;      FILING DATE:  August 29, 1996
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Sleath, Janet
;      REGISTRATION NUMBER:  37,007
;      REFERENCE/DOCKET NUMBER:  11000.1002c2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-269-0565
;      TELEFAX:  206-269-0563
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  83:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
US-08-997-362-83

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
             ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 192
US-08-965-780-1
; Sequence 1, Application US/08965780
; Patent No. 5986084
;  GENERAL INFORMATION:
;    APPLICANT:  Pitsch, Stefan
;    APPLICANT:  Weiss, Patrick A.
;    APPLICANT:  Jenny, Luzi
;    TITLE OF INVENTION:  RIBONUCLEOSIDE-DERIVATIVE AND METHOD FOR
;    TITLE OF INVENTION:  PREPARING THE SAME
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KUBOVCIK & KUBOVCIK
;      STREET:  900 17th Street, N.W., Suite 990
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20006
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/965,780
;      FILING DATE:  07-NOV-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  CH 01931/97
;      FILING DATE:  18-AUG-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kubovcik, Ronald J.
;      REGISTRATION NUMBER:  25,401
;      REFERENCE/DOCKET NUMBER:  FREI-002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-887-9023
;      TELEFAX:  202-887-9093
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligoribonucleotide"
US-08-965-780-1

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   0.0%;  Pred. No. 1.6e+02;
  Matches    0;  Conservative   20;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ::::::::::::::::::::
Db          1 UUUUUUUUUUUUUUUUUUUU 20


RESULT 193
US-08-873-970-83/c
; Sequence 83, Application US/08873970
; Patent No. 6001361
;  GENERAL INFORMATION:
;    APPLICANT:  Tan, Paul
;    APPLICANT:  Hiyama, Jun
;    APPLICANT:  Visser, Elizabeth
;    APPLICANT:  Skinner, Margot
;    APPLICANT:  Scott, Linda
;    APPLICANT:  Prestidge, Ross
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR
;    TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Ann W. Speckman
;      STREET:  2601 Elliott Avenue, Suite 4185
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/873,970
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/705,347
;      FILING DATE:  29-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sleath, Janet
;      REGISTRATION NUMBER:  37,007
;      REFERENCE/DOCKET NUMBER:  11000.1002C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-269-0565
;      TELEFAX:  206-269-0563
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  83:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
US-08-873-970-83

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
             ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 194
US-08-765-340-96
; Sequence 96, Application US/08765340
; Patent No. 6150092
;  GENERAL INFORMATION:
;    APPLICANT:  UCHIDA, K.,
```

```
;    APPLICANT:  UCHIDA, T.,
;    APPLICANT:  TANAKA, Y.,
;    APPLICANT:  MATSUDA, Y.,
;    APPLICANT:  KONDO, S.
;    TITLE OF INVENTION:  AN ANTISENSE NUCLEIC ACID
;    TITLE OF INVENTION:  COMPOUND
;    NUMBER OF SEQUENCES:  185
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/765,340
;      FILING DATE:  23-DEC-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 145146/94
;      FILING DATE:  27-JUN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 311130/94
;      FILING DATE:  21-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SERUNIAN, LESLIE
;      REGISTRATION NUMBER:  35,353
;      REFERENCE/DOCKET NUMBER:  1452-4005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;  INFORMATION FOR SEQ ID NO:  96:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA"
US-08-765-340-96

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20


RESULT 195
US-09-095-855-83/c
; Sequence 83, Application US/09095855
; Patent No. 6160093
;  GENERAL INFORMATION:
;    APPLICANT:  Tan, Paul
;    APPLICANT:  Visser, Elizabeth
;    APPLICANT:  Skinner, Margot
;    APPLICANT:  Prestidge, Ross
;    TITLE OF INVENTION:  Compounds and Methods for
;    TITLE OF INVENTION:  Treatment and Diagnosis of Mycobacterial Infections
;    NUMBER OF SEQUENCES:  208
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Ann W. Speckman
;      STREET:  2601 Elliott Avenue, Suite 4185
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/095,855
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/705,347
;      FILING DATE:  29-AUG-1996
;      APPLICATION NUMBER:  08/873,970
;      FILING DATE:  12-JUN-1997
;      APPLICATION NUMBER:  08/997,362
;      FILING DATE:  23-DEC-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sleath, Janet
;      REGISTRATION NUMBER:  37,007
;      REFERENCE/DOCKET NUMBER:  11000.1002c3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-269-0565
;      TELEFAX:  206-269-0563
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  83:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
US-09-095-855-83

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20


RESULT 196
US-09-407-675-1/c
; Sequence 1, Application US/09407675
; Patent No. 6169176
; GENERAL INFORMATION:
;  APPLICANT:  Bruice, Thomas C.
;  APPLICANT:  Arya, Dev P.
;  TITLE OF INVENTION:  DEOXYNUCLEIC ALKYL THIOUREA COMPOUNDS AND USES THEREOF
;  FILE REFERENCE:  30448.65US02
;  CURRENT APPLICATION NUMBER: US/09/407,675
;  CURRENT FILING DATE:  1999-09-28
;  PRIOR APPLICATION NUMBER:  09/347,443
;  PRIOR FILING DATE:  1999-07-02
;  PRIOR APPLICATION NUMBER:  60/091,481
;  PRIOR FILING DATE:  1998-07-02
;  PRIOR APPLICATION NUMBER:  60/111,800
;  PRIOR FILING DATE:  1998-12-11
;  NUMBER OF SEQ ID NOS:  5
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Oligo 1
US-09-407-675-1

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 197
US-09-250-075-1
; Sequence 1, Application US/09250075
; Patent No. 6207819
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Maier, Martin A
;  TITLE OF INVENTION:  Compounds Processes And Intermediates For Synthesis Of
;  TITLE OF INVENTION:  Mixed Backbone Oligomeric Compounds
;  FILE REFERENCE:  ISIS3299
;  CURRENT APPLICATION NUMBER: US/09/250,075
;  CURRENT FILING DATE:  1999-02-12
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: 2'-methoxyethoxy (MOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6207819el
;   OTHER INFORMATION: Sequence
US-09-250-075-1

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20


RESULT 198
US-09-173-936B-14
; Sequence 14, Application US/09173936B
; Patent No. 6238865
;   GENERAL INFORMATION:
;        APPLICANT: Zhen, Huang; Szostak, Jack W.
;        TITLE OF INVENTION: A Simple and Efficient Method to Label and Modify 3'-
;                            Terminal
;                            of RNA Using DNA Polymerase and a Synthetic Template with D
;                            Nucleotides
;        NUMBER OF SEQUENCES: 21
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Cohen,Pontani,Lieberman & Pavane
;             STREET: 551 Fifth Avenue
;             CITY: New York
;             STATE: New York
;             COUNTRY: USA
;             ZIP: 10176
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.50 inch Diskette
;             COMPUTER: IBM-MS
;             OPERATING SYSTEM: Window 95
;             SOFTWARE: Microsoft Word
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/173,936B
;             FILING DATE: 16-Oct-1998
;             CLASSIFICATION: 435
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 60/063,757
;             FILING DATE: 17-OCT-1997
;   INFORMATION FOR SEQ ID NO: 14:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 bases
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-173-936B-14

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20


RESULT 199
US-09-454-704A-13/c
; Sequence 13, Application US/09454704A
; Patent No. 6274321
; GENERAL INFORMATION:
;  APPLICANT:   Blumberg, Bruce
;  TITLE OF INVENTION:  High Throughput Functional Screening of
;  TITLE OF INVENTION:  cDNAs
;  FILE REFERENCE:  P-UC 3662
;  CURRENT APPLICATION NUMBER: US/09/454,704A
;  CURRENT FILING DATE:  1999-12-03
;  NUMBER OF SEQ ID NOS:  14
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: cDNA
US-09-454-704A-13

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 200
US-09-324-542-83/c
; Sequence 83, Application US/09324542
; Patent No. 6328978
; GENERAL INFORMATION:
;  APPLICANT: Watson, James D.
;  APPLICANT: Tan, Paul L.J.
;  APPLICANT: Prestidge, Ross
;  TITLE OF INVENTION: Methods and Compounds for the Treatment
;  TITLE OF INVENTION: of Immunologically-Mediated Skin Disorders
;  FILE REFERENCE: 11000.1007c1
;  CURRENT APPLICATION NUMBER: US/09/324,542
;  CURRENT FILING DATE: 1999-06-02
;  EARLIER APPLICATION NUMBER: US 08/997,080
;  EARLIER FILING DATE: 1997-12-23
;  NUMBER OF SEQ ID NOS: 194
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Made in a lab
US-09-324-542-83

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
```

Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1
```

RESULT 201
US-09-205-426-83/c
; Sequence 83, Application US/09205426
; Patent No. 6406704
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Tan, Paul L. J.
; TITLE OF INVENTION: Compounds and Methods for Treatment and
; TITLE OF INVENTION: Diagnosis of Mycobacterial Infections
; FILE REFERENCE: 11000.1002c4
; CURRENT APPLICATION NUMBER: US/09/205,426
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: 09/095,855
; EARLIER FILING DATE: 1998-06-11
; EARLIER APPLICATION NUMBER: 08/997,362
; EARLIER FILING DATE: 1997-12-23
; EARLIER APPLICATION NUMBER: 08/873,970
; EARLIER FILING DATE: 1997-06-12
; EARLIER APPLICATION NUMBER: 08/705,347
; EARLIER FILING DATE: 1996-08-29
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 83
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Made in a lab
US-09-205-426-83

Query Match 0.7%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1
```

RESULT 202
US-09-619-103-26/c
; Sequence 26, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
; APPLICANT: Kurz, Markus
; APPLICANT: Lohse, Peter
; APPLICANT: Wagner, Richard
; TITLE OF INVENTION: Peptide Acceptor Ligation Methods
; FILE REFERENCE: 50036/031002
; CURRENT APPLICATION NUMBER: US/09/619,103
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/145,834
; PRIOR FILING DATE: 1999-07-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-26

Query Match 0.7%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1
```

RESULT 203
US-09-726-096A-1
; Sequence 1, Application US/09726096A
; Patent No. 6462184
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Maier, Martin A.
; TITLE OF INVENTION: Compounds Processes And Intermediates For Synthesis Of Mixed Back
; TITLE OF INVENTION: Oligomeric Compounds
; FILE REFERENCE: ISIS4528
; CURRENT APPLICATION NUMBER: US/09/726,096A
; CURRENT FILING DATE: 2000-11-29
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (1)..(20)
; OTHER INFORMATION: 2'-methoxyethoxy (MOE)
US-09-726-096A-1

Query Match 0.7%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTTT 20
```

RESULT 204
US-09-603-830-55/c
; Sequence 55, Application US/09603830
; Patent No. 6506564
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 4149-1-1-1-1
; CURRENT APPLICATION NUMBER: US/09/603,830
; CURRENT FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-603-830-55

 Query Match 0.7%; Score 20; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTTT 2185
 ||||||||||||||||||||
Db 20 TTTTTTTTTTTTTTTTTTTT 1

RESULT 205
US-09-976-978A-55/c
; Sequence 55, Application US/09976978A
; Patent No. 6532097
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-i17
; CURRENT APPLICATION NUMBER: US/09/976,978A
; CURRENT FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-976-978A-55

 Query Match 0.7%; Score 20; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTTT 2185
 ||||||||||||||||||||
Db 20 TTTTTTTTTTTTTTTTTTTT 1

RESULT 206
US-09-344-260A-10
; Sequence 10, Application US/09344260A
; Patent No. 6576752
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Lonnberg, Harri
; APPLICANT: Salo, Harri
; APPLICANT: Virta, Pasi
; TITLE OF INVENTION: Aminooxy Functionalized Oligomers
; FILE REFERENCE: ISIS-3508
; CURRENT APPLICATION NUMBER: US/09/344,260A
; CURRENT FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 10
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: No. 6576752el Sequence
US-09-344-260A-10

 Query Match 0.7%; Score 20; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTTT 2185
 ||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTTT 20

RESULT 207
US-09-961-949A-55/c
; Sequence 55, Application US/09961949A
; Patent No. 6582921
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-i1
; CURRENT APPLICATION NUMBER: US/09/961,949A
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-961-949A-55

 Query Match 0.7%; Score 20; DB 1; Length 20;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTTT 2185
 ||||||||||||||||||||
Db 20 TTTTTTTTTTTTTTTTTTTT 1

```
RESULT 208
US-09-966-491A-55/c
; Sequence 55, Application US/09966491A
; Patent No. 6610491
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i4
;  CURRENT APPLICATION NUMBER: US/09/966,491A
;  CURRENT FILING DATE:  2002-03-12
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-966-491A-55

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 209
US-09-957-313A-55/c
; Sequence 55, Application US/09957313A
; Patent No. 6645721
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i3
;  CURRENT APPLICATION NUMBER: US/09/957,313A
;  CURRENT FILING DATE:  2002-03-05
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-957-313A-55

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 210
US-09-966-312-55/c
; Sequence 55, Application US/09966312
; Patent No. 6673548
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i5
;  CURRENT APPLICATION NUMBER: US/09/966,312
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-966-312-55

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 211
US-09-975-062A-55/c
```

```
; Sequence 55, Application US/09975062A
; Patent No. 6677122
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i11
;  CURRENT APPLICATION NUMBER: US/09/975,062A
;  CURRENT FILING DATE:  2001-10-11
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-975-062A-55

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
             ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 212
US-09-976-971A-55/c
; Sequence 55, Application US/09976971A
; Patent No. 6682895
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i18
;  CURRENT APPLICATION NUMBER: US/09/976,971A
;  CURRENT FILING DATE:  2001-10-12
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-976-971A-55

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
             ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 213
PCT-US93-07603-6/c
; Sequence 6, Application PC/TUS9307603
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  NUCLEIC ACID RECOGNITION AND TRANSPORT
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield & Sacks, P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  United States of America
;      ZIP:  02210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/07603
;      FILING DATE:  19930813
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/930,087
;      FILING DATE:  14-AUG-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gates, Edward R.
;      REGISTRATION NUMBER:  31,616
;      REFERENCE/DOCKET NUMBER:  M0636/7007WO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
;      DESCRIPTION:  Synthetic RNA oligonucleotide.
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US93-07603-6

  Query Match             0.7%;  Score 20;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
             ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1
```

```
RESULT 214
US-08-146-504-2/c
; Sequence 2, Application US/08146504
; Patent No. 5605662
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  SELF-ADDRESSABLE SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS AND
;    TITLE OF INVENTION:  DIAGNOSTICS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,504
;      FILING DATE:  No. 5605662ember 1, 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    none
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  203/218
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-146-504-2

  Query Match             0.7%;  Score 20;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 215
US-08-725-976-2/c
; Sequence 2, Application US/08725976
; Patent No. 5929208
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  METHODS FOR ELECTRONIC SYNTHESIS OF POLYMERS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  WINDOWS (VERSION 3.0)
;      SOFTWARE:  WordPerfect (Version 6.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/725,976
;      FILING DATE:  October 4, 1996
;      CLASSIFICATION:  422
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 5929208ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  222/211
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEFAX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-725-976-2

  Query Match             0.7%;  Score 20;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||||||||||||||
Db         20 TTTTTTTTTTTTTTTTTTTT 1


RESULT 216
US-08-271-882B-2/c
; Sequence 2, Application US/08271882B
; Patent No. 6017696
;  GENERAL INFORMATION:
;    APPLICANT:  Michael J. Heller
;    APPLICANT:  Eugene Tu
;    APPLICANT:  Glen A. Evans
;    APPLICANT:  Ronald G. Sosnowski
;    TITLE OF INVENTION:  SELF-ADDRESSABLE
;    TITLE OF INVENTION:  SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND
;    TITLE OF INVENTION:  DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS
;    TITLE OF INVENTION:  AND DIAGNOSTICS
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,882B
;      FILING DATE:  July 7, 1994
;      CLASSIFICATION:
```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/146,504
; FILING DATE: No. 6017696ember 1, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Murphy, David B.
; REGISTRATION NUMBER: 31,125
; REFERENCE/DOCKET NUMBER: 207/263
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-271-882B-2

Query Match 0.7%; Score 20; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2185
||||||||||||||||||||
Db 20 TTTTTTTTTTTTTTTTTTT 1

RESULT 217
US-08-726-278-2/c
; Sequence 2, Application US/08726278
; Patent No. 6238624
; GENERAL INFORMATION:
; APPLICANT: Heller, Michael J.
; APPLICANT: Tu, Eugene
; APPLICANT: Evans, Glen A.
; APPLICANT: Sosnowski, Ronald G.
; TITLE OF INVENTION: METHODS FOR ELECTRONIC TRANSPORT IN MOLECULAR
; TITLE OF INVENTION: BIOLOGICAL ANALYSIS AND DIAGNOSTICS
; FILE REFERENCE: DAVID B. MURPHY/NANOGEN: 222-210
; CURRENT APPLICATION NUMBER: US/08/726,278
; CURRENT FILING DATE: 1996-10-04
; PRIOR APPLICATION NUMBER: 08/271,882
; PRIOR FILING DATE: 1994-07-07
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Sequences for
; OTHER INFORMATION: Labeling
US-08-726-278-2

Query Match 0.7%; Score 20; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2185
||||||||||||||||||||
Db 20 TTTTTTTTTTTTTTTTTTT 1

RESULT 218
US-09-475-947A-134/c
; Sequence 134, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
; APPLICANT: Garner, Harold R.
; APPLICANT: Wren, Jonathan D.
; APPLICANT: Minna, John D.
; TITLE OF INVENTION: Polymorphic Repeats in Human Genes
; FILE REFERENCE: UTSD0667
; CURRENT APPLICATION NUMBER: US/09/475,947A
; CURRENT FILING DATE: 1999-12-31
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 134
; LENGTH: 24
; TYPE: DNA
; ORGANISM: human
US-09-475-947A-134

Query Match 0.7%; Score 20; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2785 GAAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 24 GAAAAAAAAAAAAAAAAAAA 5

RESULT 219
US-08-821-451A-16
; Sequence 16, Application US/08821451A
; Patent No. 6066724
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821,451A
; FILING DATE: March 21, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,724
; FILING DATE: March 21, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: Oligonucleotide
US-08-821-451A-16

Query Match 0.7%; Score 20; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2164 CCTTTTTTTTTTTTTTTTTT 2183
||||||||||||||||||||
Db 8 CCTTTTTTTTTTTTTTTTTT 27

```
RESULT 220
US-09-263-810-16
; Sequence 16, Application US/09263810
; Patent No. 6174992
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 INCH DISKETTE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WORD PERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,810
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/821,451
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MULLINS, J.G.
;      REGISTRATION NUMBER:  33,073
;      REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 BASE PAIRS
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  Oligonucleotide
US-09-263-810-16

  Query Match             0.7%;  Score 20;  DB 1;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 4.5e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||||
Db          8 CCTTTTTTTTTTTTTTTTTT 27


RESULT 221
US-09-583-169-16
; Sequence 16, Application US/09583169
; Patent No. 6338948
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 INCH DISKETTE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WORD PERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/583,169
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/821,451
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MULLINS, J.G.
;      REGISTRATION NUMBER:  33,073
;      REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 BASE PAIRS
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  Oligonucleotide
US-09-583-169-16

  Query Match             0.7%;  Score 20;  DB 1;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 4.5e+02;
  Matches   20;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||||
Db          8 CCTTTTTTTTTTTTTTTTTT 27


RESULT 222
US-09-725-265-5
; Sequence 5, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOI
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-5

  Query Match             0.7%;  Score 20;  DB 1;  Length 30;
  Best Local Similarity   82.1%;  Pred. No. 6.3e+02;
  Matches   23;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTT 2186
```

```
                  | | |  |||||||| ||||||||||||
Db          2 TATATATTTTTTTTTGTTTTTTTTTTT 29


RESULT 223
US-09-725-265-6
; Sequence 6, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-6

  Query Match             0.7%;  Score 20;  DB 1;  Length 30;
  Best Local Similarity   82.1%;  Pred. No. 6.3e+02;
  Matches   23;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
                | | |  |||||||| ||||||||||||
Db          2 TATATATTTTTTTTTGTTTTTTTTTTT 29


RESULT 224
US-09-725-265-7
; Sequence 7, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-7

  Query Match             0.7%;  Score 20;  DB 1;  Length 30;
  Best Local Similarity   82.1%;  Pred. No. 6.3e+02;
  Matches   23;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
                | | |  |||||||| ||||||||||||
Db          2 TATATATTTTTTTTTGTTTTTTTTTTT 29


RESULT 225
US-09-725-265-8
; Sequence 8, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOLI
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DATA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-8

  Query Match             0.7%;  Score 20;  DB 1;  Length 30;
  Best Local Similarity   82.1%;  Pred. No. 6.3e+02;
  Matches   23;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTTT 2186
                | | |  |||||||| ||||||||||||
Db          2 TATATATTTTTTTTTGTTTTTTTTTTT 29


RESULT 226
US-09-725-265-12
; Sequence 12, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
```

```
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-12

  Query Match             0.7%;  Score 20;  DB 1;  Length 30;
  Best Local Similarity   82.1%;  Pred. No. 6.3e+02;
  Matches   23;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              | | |  |||||||||| ||||||||||
Db          2 TATATATTTTTTTTTTCTTTTTTTTT 29


RESULT 227
US-09-725-265-13
; Sequence 13, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-13

  Query Match             0.7%;  Score 20;  DB 1;  Length 30;
  Best Local Similarity   82.1%;  Pred. No. 6.3e+02;
  Matches   23;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTTT 2186
              | | |  |||||||||| ||||||||||
Db          2 TATATATTTTTTTTTTCTTTTTTTTT 29


RESULT 228
US-09-721-154-7/c
; Sequence 7, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
;  APPLICANT: Vaisberg, Eugeni
;  APPLICANT:  Adams, Cynthia
;  APPLICANT:  Sabry, James
;  APPLICANT:  Crompton, Anne
;  TITLE OF INVENTION: Database system including computer code
;  TITLE OF INVENTION:  for predictive cellular bioinformatics
;  FILE REFERENCE: CytoP007C2
;  CURRENT APPLICATION NUMBER: US/09/721,154
;  CURRENT FILING DATE:  2002-06-14
;  PRIOR APPLICATION NUMBER: 09/311,996
;  PRIOR FILING DATE: 1999-05-14
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Psuedo-sequence
US-09-721-154-7

  Query Match             0.7%;  Score 19.8;  DB 1;  Length 24;
  Best Local Similarity   91.3%;  Pred. No. 3.3e+02;
  Matches   21;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAA 2803
              ||| |||||||||||| ||||||
Db         24 AATAGAAAAAAAAAAACAAAAAA 2


RESULT 229
US-09-268-505B-13/c
; Sequence 13, Application US/09268505B
; Patent No. 6316192
; GENERAL INFORMATION:
;  APPLICANT:  Luo, Jianhua
;  TITLE OF INVENTION:  Method for Enrichment of Unique DNA Fragments
;  TITLE OF INVENTION:  through Cyclical Removal of PCR Adapter Attached to DNA
;  TITLE OF INVENTION:  Fragments Whose Sequences Are Shared Between Two DNA Pools
;  FILE REFERENCE:  3-11-99
;  CURRENT APPLICATION NUMBER: US/09/268,505B
;  CURRENT FILING DATE:  1999-03-11
;  PRIOR APPLICATION NUMBER:  none
;  PRIOR FILING DATE:  N/A
;  NUMBER OF SEQ ID NOS:  15
;  SOFTWARE:  Microsoft word
; SEQ ID NO 13
;   LENGTH: 31
;   TYPE: DNA
;   ORGANISM: synthetic
;   FEATURE:
;   NAME/KEY: oligo d(T)
;   LOCATION:
US-09-268-505B-13

  Query Match             0.7%;  Score 19.8;  DB 1;  Length 31;
  Best Local Similarity   81.5%;  Pred. No. 7.5e+02;
  Matches   22;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2778 TAGAATTGAAAAAAAAAAAAAAAAAAA 2804
              :| ||   ||||||||||||||||||||
Db         31 BAAAAAAAAAAAAAAAAAAAAAAAAAA 5


RESULT 230
US-08-621-914A-1/c
; Sequence 1, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
```

```
;       COUNTRY:  USA
;       ZIP:  10036-2711
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/621,914A
;       FILING DATE:  26-MAR-1996
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  LAWRENCE III, STANTON T.
;       REGISTRATION NUMBER:  25,736
;       REFERENCE/DOCKET NUMBER:  7005-107-999
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 790-9090
;       TELEFAX:  (212) 869-9741
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  26 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  other nucleic acid
US-08-621-914A-1

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2778 TAGAATTGAAAAAAAAAAAAAAAAAA 2803
                || ||   ||||||||||||||||||
Db         26 TAAAAAAAAAAAAAAAAAAAAAAAAA 1


RESULT 231
US-09-522-217-38/c
; Sequence 38, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
;  APPLICANT: No. 6307024ak, Julia E.
;  APPLICANT: Presnell, Scott R.
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Holly, Richard D.
;  APPLICANT: Gross, Jane A.
;  APPLICANT: Johnston, Janet V.
;  APPLICANT: Nelson, Andrew J.
;  APPLICANT: Dillon, Stacey R.
;  APPLICANT: Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/522,217
;  CURRENT FILING DATE: 2000-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,547
;  EARLIER FILING DATE: 1999-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,904
;  EARLIER FILING DATE: 1999-03-11
;  EARLIER APPLICATION NUMBER: US 60/142,013
;  EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-09-522-217-38

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2778 TAGAATTGAAAAAAAAAAAAAAAAAA 2803
                || ||   ||||||||||||||||||
Db         26 TAAAAAAAAAAAAAAAAAAAAAAAAA 1


RESULT 232
US-09-527-345-7/c
; Sequence 7, Application US/09527345
; Patent No. 6331413
; GENERAL INFORMATION:
;  APPLICANT:  Sheppard, Paul O.
;  APPLICANT:  Adler, David A.
;  TITLE OF INVENTION:  SECRETED SALIVARY ZSIG63 POLYPEPTIDE
;  FILE REFERENCE:  97-71
;  CURRENT APPLICATION NUMBER: US/09/527,345
;  CURRENT FILING DATE:  1999-03-17
;  PRIOR APPLICATION NUMBER:  US 60/124,820
;  PRIOR FILING DATE:  1999-03-17
;  NUMBER OF SEQ ID NOS:  9
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-09-527-345-7

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2778 TAGAATTGAAAAAAAAAAAAAAAAAA 2803
                || ||   ||||||||||||||||||
Db         26 TAAAAAAAAAAAAAAAAAAAAAAAAA 1


RESULT 233
US-09-923-246-38/c
; Sequence 38, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
;  APPLICANT: No. 6605272ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/923,246
;  CURRENT FILING DATE:  2001-08-03
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
```

```
US-09-923-246-38

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2778 TAGAATTGAAAAAAAAAAAAAAAAAA 2803
              || ||   ||||||||||||||||||
Db         26 TAAAAAAAAAAAAAAAAAAAAAAAAA 1


RESULT 234
US-10-295-723-38/c
; Sequence 38, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
;  APPLICANT: No. 6686178ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/10/295,723
;  CURRENT FILING DATE:  2002-11-15
;  PRIOR APPLICATION NUMBER: 09/522,217
;  PRIOR FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,547
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 38
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-10-295-723-38

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2778 TAGAATTGAAAAAAAAAAAAAAAAAA 2803
              || ||   ||||||||||||||||||
Db         26 TAAAAAAAAAAAAAAAAAAAAAAAAA 1


RESULT 235
US-09-197-951-5/c
; Sequence 5, Application US/09197951
; Patent No. 6197554
;  GENERAL INFORMATION:
;       APPLICANT: LIN, SHI-LUNG
;                  CHUONG, CHENG-MING
;                  YING, SHAO-YAO
;       TITLE OF INVENTION: Method for Generating Full-Length cDNA
;                           Library from Single Cells
;       NUMBER OF SEQUENCES: 5
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: David & Raymond Patent Firm
;            STREET: 108  N. Ynez Ave.,  Suite 128
;            CITY: Monterey Park
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 91754
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/197,951
;            FILING DATE: 20-No. 6197554-1998
;            CLASSIFICATION: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Chan, Raymond Y.C.
;            REGISTRATION NUMBER: 37,484
;            REFERENCE/DOCKET NUMBER: USP8462A-SL(3)
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (626) 571-9812
;            TELEFAX: (626) 571-9813
;  INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 26 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: other nucleic acid
;            DESCRIPTION: /desc = "synthetic"
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-197-951-5

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAAAAAAAAAAA 1


RESULT 236
US-08-014-943A-21
; Sequence 21, Application US/08014943A
; Patent No. 5545551
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  Cloning And Expression Of PUR Protein
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/014,943A
;      FILING DATE:  02)FEB)1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-033
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212 790-9090
;      TELEFAX:  212 869-8864/9741
;      TELEX:  66141 PENNIE
```

```
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-014-943A-21

  Query Match              0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTT 2184
              | ||| |  ||||||||||||||||||
Db          1 TATCTGCAGTTTTTTTTTTTTTTTTT 26


RESULT 237
US-08-486-421-15
; Sequence 15, Application US/08486421
; Patent No. 5672479
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,421
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/470,911
;      FILING DATE:  06-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-486-421-15

  Query Match              0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTT 2184
              | ||| |  ||||||||||||||||||
Db          1 TATCTGCAGTTTTTTTTTTTTTTTTT 26


RESULT 238
US-08-470-911-15
; Sequence 15, Application US/08470911
; Patent No. 5756684
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/470,911
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-470-911-15

  Query Match              0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTT 2184
              | ||| |  ||||||||||||||||||
Db          1 TATCTGCAGTTTTTTTTTTTTTTTTT 26


RESULT 239
US-08-486-809-15
; Sequence 15, Application US/08486809
; Patent No. 5869622
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,809
```

```
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/470,911
;       FILING DATE:  06-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Coruzzi, Laura A.
;       REGISTRATION NUMBER:  30,742
;       REFERENCE/DOCKET NUMBER:  6923-053
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 790-9090
;       TELEFAX:  (212) 869-9741/8864
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  15:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  26 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-486-809-15

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTTTTT 2184
              | ||| |  ||||||||||||||||||
Db          1 TATCTGCAGTTTTTTTTTTTTTTTTT 26


RESULT 240
US-08-910-632-5/c
; Sequence 5, Application US/08910632B
; Patent No. 6077668
; GENERAL INFORMATION:
;  APPLICANT: KOOL, ERIC T.
;  TITLE OF INVENTION: HIGHLY SENSITIVE MULTIMERIC NUCLEIC ACID PROBES
;  FILE REFERENCE: 220.00010130
;  CURRENT APPLICATION NUMBER: US/08/910,632B
;  CURRENT FILING DATE: 1997-08-13
;  EARLIER APPLICATION NUMBER: 08/805,631
;  EARLIER FILING DATE: 1997-02-26
;  EARLIER APPLICATION NUMBER: 08/393,439
;  EARLIER FILING DATE: 1995-02-23
;  EARLIER APPLICATION NUMBER: 08/047,860
;  EARLIER FILING DATE: 1993-04-15
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic AS83 DNA nanocircle
US-08-910-632-5

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2168 TTTTTTTTTTTTTTTTTTTAACTTTG 2193
              |||||||||||| ||||||   ||||
Db         26 TTTTTTTTTTTGTTTTTTTTTTTTG 1


RESULT 241
US-08-805-631A-5/c
; Sequence 5, Application US/08805631A
; Patent No. 6096880
;  GENERAL INFORMATION:
;    APPLICANT:  UNIVERSITY OF ROCHESTER
;    TITLE OF INVENTION:  CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;    TITLE OF INVENTION:  DNA
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MUETING, RAASCH & GEBHARDT, P.A.
;      STREET:  119 No. 6096880th Fourth Street, Suite 201
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,631A
;      FILING DATE:  26-FEB-97
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/393,439
;      FILING DATE:  23-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/047,860
;      FILING DATE:  15-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SANDBERG, VICTORIA A.
;      REGISTRATION NUMBER:  41,287
;      REFERENCE/DOCKET NUMBER:  220.00010140
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612-305-1226
;      TELEFAX:  612-305-1228
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  circular
;    MOLECULE TYPE:  DNA (genomic)
US-08-805-631A-5

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2168 TTTTTTTTTTTTTTTTTTTAACTTTG 2193
              |||||||||||| ||||||   ||||
Db         26 TTTTTTTTTTTTGTTTTTTTTTTTTG 1


RESULT 242
US-09-569-344-5/c
; Sequence 5, Application US/09569344
; Patent No. 6368802
;  GENERAL INFORMATION:
;       APPLICANT: UNIVERSITY OF ROCHESTER
;       TITLE OF INVENTION: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;                           DNA
;       NUMBER OF SEQUENCES: 72
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
;            STREET: 119 No. 6368802th Fourth Street, Suite 201
;            CITY: Minneapolis
;            STATE: Minnesota
;            COUNTRY: USA
;            ZIP: 55401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/569,344
;            FILING DATE: 11-May-2000
```

```
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/805,631
;            FILING DATE: 26-FEB-97
;            APPLICATION NUMBER: US 08/393,439
;            FILING DATE: 23-FEB-1995
;            APPLICATION NUMBER: US 08/047,860
;            FILING DATE: 15-APR-1993
;       ATTORNEY/AGENT INFORMATION:
;            NAME: SANDBERG, VICTORIA A.
;            REGISTRATION NUMBER: 41,287
;            REFERENCE/DOCKET NUMBER: 220.00010140
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 612-305-1226
;            TELEFAX: 612-305-1228
;   INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 26 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: circular
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-569-344-5

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 26;
  Best Local Similarity   84.6%;  Pred. No. 4.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2168 TTTTTTTTTTTTTTTTTTTAACTTTG 2193
                ||||||||||||  ||||||   ||||
Db         26 TTTTTTTTTTTTGTTTTTTTTTTTTG 1


RESULT 243
US-08-208-486-79
; Sequence 79, Application US/08208486
; Patent No. 5389531
;  GENERAL INFORMATION:
;    APPLICANT:  Ito, Junetsu
;    APPLICANT:  Yoo, Seung-Ku
;    TITLE OF INVENTION:  METHODS TO REPLICATE DNA in vitro USING
;    TITLE OF INVENTION:  PRD1-CATALYZED DNA REPLICATION SYSTEMS
;    NUMBER OF SEQUENCES:  89
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cahill, Sutton & Thomas
;      STREET:  155 Park One, 2141 E. Highland Ave.
;      CITY:  Phoenix
;      STATE:  Arizona
;      COUNTRY:  U.S.A.
;      ZIP:  85016
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 5.25 inch, 1.2 Mb
;      COMPUTER:  Packard Bell (IBM PC/AT compatible)
;      OPERATING SYSTEM:  MS-Dos, Version 5.0
;      SOFTWARE:  WordPerfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/208,486
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/869,916
;      FILING DATE:  April 14, 1992
;      APPLICATION NUMBER:  Japan 240525/91
;      FILING DATE:  August 26, 1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Janelle Faunce Raupp
;      REGISTRATION NUMBER:  30,485
;      REFERENCE/DOCKET NUMBER:  #3954-A-7
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (602) 956-7000
;      TELEFAX:  (602) 495-9475
;  INFORMATION FOR SEQ ID NO:  79:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid (synthetic DNA)
US-08-208-486-79

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 27;
  Best Local Similarity   84.6%;  Pred. No. 5.3e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 244
US-09-244-794A-8
; Sequence 8, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER: US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-8

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 29;
  Best Local Similarity   84.6%;  Pred. No. 6.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 245
US-09-007-005-8
; Sequence 8, Application US/09007005B
; Patent No. 6258558
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350003
;  CURRENT APPLICATION NUMBER: US/09/007,005B
;  CURRENT FILING DATE: 1998-01-14
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  NUMBER OF SEQ ID NOS: 33
```

```
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-007-005-8

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 29;
  Best Local Similarity   84.6%;  Pred. No. 6.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 246
US-09-247-190-8
; Sequence 8, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-8

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 29;
  Best Local Similarity   84.6%;  Pred. No. 6.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 247
US-09-244-796-8
; Sequence 8, Application US/09244796
; Patent No. 6281344
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350007
;  CURRENT APPLICATION NUMBER: US/09/244,796
;  CURRENT FILING DATE: 1999-02-05
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-796-8

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 29;
  Best Local Similarity   84.6%;  Pred. No. 6.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 248
US-09-238-710-8
; Sequence 8, Application US/09238710A
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-8

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 29;
  Best Local Similarity   84.6%;  Pred. No. 6.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 249
US-09-282-734-3
; Sequence 3, Application US/09282734A
; Patent No. 6537749
; GENERAL INFORMATION:
;  APPLICANT: Robert G. Kuimelis et al.
;  TITLE OF INVENTION: ADDRESSABLE PROTEIN ARRAYS
;  FILE REFERENCE: 50036/009002
;  CURRENT APPLICATION NUMBER: US/09/282,734A
;  CURRENT FILING DATE: 1999-03-03
;  EARLIER APPLICATION NUMBER: 60/080,686
;  EARLIER FILING DATE: 1998-04-03
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: FastSEQ for Windows Version 3.0
```

```
; SEQ ID NO 3
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide used for attaching puromycin
US-09-282-734-3

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 29;
  Best Local Similarity   84.6%;  Pred. No. 6.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db             1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 250
US-08-433-505-9
; Sequence 9, Application US/08433505
; Patent No. 5695936
;  GENERAL INFORMATION:
;    APPLICANT:  MANDRAND, Bernard
;    APPLICANT:  CROS, Philippe
;    APPLICANT:  DELAIR, Thierry
;    APPLICANT:  CHARLES, Marie-Helene
;    APPLICANT:  EROUT, Marie-No. 5695936lle
;    APPLICANT:  PICHOT, Christian
;    APPLICANT:  TONNELLIER, Jean-Claude
;    TITLE OF INVENTION:  REAGENT AND METHOD FOR THE DETECTION OF
;    TITLE OF INVENTION:  A NUCLEOTIDE SEQUENCE WITH SIGNAL AMPLIFICATION
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/433,505
;      FILING DATE:  12-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BERRIDGE, WILLIAM P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 36349
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-836-6400
;      TELEFAX:  703-836-2787
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-433-505-9

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db             1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 251
US-08-870-730-9
; Sequence 9, Application US/08870730
; Patent No. 6017707
; GENERAL INFORMATION:
;    APPLICANT:  MANDRAND, Bernard
;    APPLICANT:  CROS, Philippe
;    APPLICANT:  DELAIR, Thierry
;    APPLICANT:  CHARLES, Marie-Helene
;    APPLICANT:  EROUT, Marie-No. 6017707lle
;    APPLICANT:  PICHOT, Christian
;    TITLE OF INVENTION:  REAGENT AND METHOD FOR THE DETECTION OF
;    TITLE OF INVENTION:  A NUCLEOTIDE SEQUENCE WITH SIGNAL AMPLIFICATION
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE, PLC
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/870,730
;      FILING DATE:  06-JUN-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BERRIDGE, WILLIAM P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 36349A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-836-6400
;      TELEFAX:  703-836-2787
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-870-730-9

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db             1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 252
US-09-083-123-3/c
; Sequence 3, Application US/09083123
; Patent No. 6326143
; GENERAL INFORMATION:
;  APPLICANT: Orum, Hendrik
;  APPLICANT: Seeger, Corina
;  TITLE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic
;  TITLE OF INVENTION: Acids
;  FILE REFERENCE: sequence listing
;  CURRENT APPLICATION NUMBER: US/09/083,123
;  CURRENT FILING DATE: 1998-05-22
;  EARLIER APPLICATION NUMBER: EP 95118600.6
;  EARLIER FILING DATE: 1995-11-25
;  EARLIER APPLICATION NUMBER: PCT/EP96/05149
;  EARLIER FILING DATE: 1996-11-22
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
```

```
; SEQ ID NO 3
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: made by humans
US-09-083-123-3

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db         30 AAAAAAAAAAAAAAAAAAAAAAAAAA 5


RESULT 253
US-09-083-123-7
; Sequence 7, Application US/09083123
; Patent No. 6326143
; GENERAL INFORMATION:
;  APPLICANT: Orum, Hendrik
;  APPLICANT: Seeger, Corina
;  TITLE OF INVENTION: Method for Generating Multiple Double Stranded Nucleic
;  TITLE OF INVENTION: Acids
;  FILE REFERENCE: sequence listing
;  CURRENT APPLICATION NUMBER: US/09/083,123
;  CURRENT FILING DATE: 1998-05-22
;  EARLIER APPLICATION NUMBER: EP 95118600.6
;  EARLIER FILING DATE: 1995-11-25
;  EARLIER APPLICATION NUMBER: PCT/EP96/05149
;  EARLIER FILING DATE: 1996-11-22
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: made by humans
US-09-083-123-7

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 254
US-08-882-649A-10
; Sequence 10, Application US/08882649A
; Patent No. 6344316
;   GENERAL INFORMATION:
;        APPLICANT: Lockhart, David J.
;                   Chee, Mark
;                   Gunderson, Kevin
;                   Chaoqiang, Lai
;                   Wodicka, Lisa
;                   Cronin, Maureen T.
;                   Lee, Danny
;                   Tran, Huu M.
;                   Matsuzaki, Hajime
;                   McGall, Glenn H.
;        TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
;        NUMBER OF SEQUENCES: 32
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Joe Liebeschuetz
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/08/882,649A
;             FILING DATE: 25-Jun-1997
;             CLASSIFICATION: 435-006.000
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 60/010,471
;             FILING DATE: 23-JAN-1996
;             APPLICATION NUMBER: US 60/035,170
;             FILING DATE: 09-JAN-1997
;             APPLICATION NUMBER: PCT/US97/01603
;             FILING DATE: 22-JAN-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Liebeschuetz, Joe
;             REGISTRATION NUMBER: 37,505
;             REFERENCE/DOCKET NUMBER: 018547-019410US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 10:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 30 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        HYPOTHETICAL: YES
;                     (ix)  Features:
;        SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-08-882-649A-10

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 255
US-08-455-627-12
; Sequence 12, Application US/08455627
; Patent No. 5571677
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-627-12

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db          4 ACAAAAAAAAAAAAAAAAAAAAAAAA 29


RESULT 256
US-08-689-856-12
; Sequence 12, Application US/08689856
; Patent No. 5830658
; GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/689,856
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-689-856-12

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db          4 ACAAAAAAAAAAAAAAAAAAAAAAAA 29


RESULT 257
US-08-787-321-12
; Sequence 12, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
;  FILE REFERENCE: (1300)-1199.002
;  CURRENT APPLICATION NUMBER: US/08/787,321A
;  CURRENT FILING DATE: 1997-01-03
;  EARLIER APPLICATION NUMBER: US PROV 60/009,918
;  EARLIER FILING DATE: 1996-01-12
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-08-787-321-12

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db          4 ACAAAAAAAAAAAAAAAAAAAAAAAA 29


RESULT 258
US-08-181-271A-85/c
; Sequence 85, Application US/08181271A
; Patent No. 5614395
; GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/181,271A
;      FILING DATE:  13-JAN-94
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-181-271A-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | ||||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 259
US-08-449-315-85/c
```

```
; Sequence 85, Application US/08449315
; Patent No. 5650505
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/449,315
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
```

```
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-449-315-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 260
US-08-444-803-85/c
; Sequence 85, Application US/08444803
; Patent No. 5654414
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/444,803
;      FILING DATE:  19-MAY-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-444-803-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 261
```

```
US-08-449-043-85/c
; Sequence 85, Application US/08449043
; Patent No. 5689044
; GENERAL INFORMATION:
;   APPLICANT:  Ryals, John A.
;   APPLICANT:  Alexander, Danny C.
;   APPLICANT:  Beck, James J.
;   APPLICANT:  Duesing, John H.
;   APPLICANT:  Friedrich, Leslie B.
;   APPLICANT:  Goodman, Robert M.
;   APPLICANT:  Harms, Christian
;   APPLICANT:  Meins, Jr., Frederick
;   APPLICANT:  Montoya, Alice
;   APPLICANT:  Moyer, Mary B.
;   APPLICANT:  Neuhaus, Jean-Marc
;   APPLICANT:  Payne, George B.
;   APPLICANT:  Sperison, Christoph
;   APPLICANT:  Stinson, Jeffrey R.
;   APPLICANT:  Uknes, Scott J.
;   APPLICANT:  Ward, Eric R.
;   APPLICANT:  Williams, Shericca C.
;   TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;   TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;   NUMBER OF SEQUENCES:  106
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  CIBA-GEIGY Corporation
;     STREET:  7 Skyline Drive
;     CITY:  Hawthorne
;     STATE:  New York
;     COUNTRY:  USA
;     ZIP:  10532
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/449,043
;     FILING DATE:  24-MAY-1995
;     CLASSIFICATION:  800
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  08/181,271
;     FILING DATE:  13-JAN-94
;     APPLICATION NUMBER:  US 08/093,301
;     FILING DATE:  16-JUL-1993
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/937,197
;     FILING DATE:  6-NOV-1992
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/678,378
;     FILING DATE:  1-APR-1991
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/305,566
;     FILING DATE:  6-FEB-1989
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/165,667
;     FILING DATE:  8-MAR-1988
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/042,847
;     FILING DATE:  6-APR-1993
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/632,441
;     FILING DATE:  21-DEC-1990
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/425,504
;     FILING DATE:  20-OCT 1989
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/848,506
;     FILING DATE:  6-MAR-1992
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/768,122
;     FILING DATE:  27-SEP-1991
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/580,431
;     FILING DATE:  7-SEP-1990
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/368,672
;     FILING DATE:  20-JUN-1989
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/329,018
;     FILING DATE:  24-MAR-1989
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/045,957
;     FILING DATE:  12-APR-1993
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Elmer, James Scott
;     REGISTRATION NUMBER:  36,129
;     REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (919)541-8614
;     TELEFAX:  (919)541-8689
; INFORMATION FOR SEQ ID NO:  85:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  30 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  DNA
US-08-449-043-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 262
US-08-456-265A-85/c
; Sequence 85, Application US/08456265A
; Patent No. 5767369
; GENERAL INFORMATION:
;   APPLICANT:  Alexander, Danny C.
;   APPLICANT:  Ryals, John A.
;   APPLICANT:  Goodman, Robert M.
;   APPLICANT:  Stinson, Jeffrey R.
;   TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;   TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;   NUMBER OF SEQUENCES:  111
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  CIBA-GEIGY Corporation
;     STREET:  520 White Plains Road, P.O. Box 2005
;     CITY:  Tarrytown
;     STATE:  New York
;     COUNTRY:  USA
;     ZIP:  10591
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/456,265A
;     FILING DATE:  31-MAY-95
;     CLASSIFICATION:  435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/181,271
;     FILING DATE:  13-JAN-1994
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/093,301
;     FILING DATE:  16-JUL-1993
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 07/937,197
;     FILING DATE:  6-NOV-1992
```

```
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meigs, J. Timothy
;      REGISTRATION NUMBER:  38,241
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727/DIV10
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8587
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;US-08-456-265A-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTTAACT 2190
              ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTTGAATT 5


RESULT 263
US-08-455-416-85/c
; Sequence 85, Application US/08455416
; Patent No. 5777200
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,416
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-416-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
              ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 264
US-08-455-244-85/c
; Sequence 85, Application US/08455244
; Patent No. 5789214
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,244
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-244-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
              ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 265
US-08-454-876-85/c
; Sequence 85, Application US/08454876
; Patent No. 5804693
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
```

; APPLICANT: Harms, Christian
; APPLICANT: Meins, Jr., Frederick
; APPLICANT: Montoya, Alice
; APPLICANT: Moyer, Mary B.
; APPLICANT: Neuhaus, Jean-Marc
; APPLICANT: Payne, George B.
; APPLICANT: Sperison, Christoph
; APPLICANT: Stinson, Jeffrey R.
; APPLICANT: Uknes, Scott J.
; APPLICANT: Ward, Eric R.
; APPLICANT: Williams, Shericca C.
; TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
; TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/454,876
; FILING DATE: 31-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/181,271
; FILING DATE: 13-JAN-94
; APPLICATION NUMBER: US 08/093,301
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,197
; FILING DATE: 6-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/678,378
; FILING DATE: 1-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/305,566
; FILING DATE: 6-FEB-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/165,667
; FILING DATE: 8-MAR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/042,847
; FILING DATE: 6-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/632,441
; FILING DATE: 21-DEC-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/425,504
; FILING DATE: 20-OCT 1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/848,506
; FILING DATE: 6-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/768,122
; FILING DATE: 27-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/580,431
; FILING DATE: 7-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/368,672
; FILING DATE: 20-JUN-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/329,018
; FILING DATE: 24-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/045,957
; FILING DATE: 12-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8614
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 85:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-454-876-85

Query Match 0.7%; Score 19.6; DB 1; Length 30;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
||| | ||||||||||||||| || |
Db 30 CTTATGTTTTTTTTTTTTTTTGAATT 5

RESULT 266
US-08-457-364-85/c
; Sequence 85, Application US/08457364
; Patent No. 5847258
; GENERAL INFORMATION:
; APPLICANT: Ryals, John A.
; APPLICANT: Alexander, Danny C.
; APPLICANT: Beck, James J.
; APPLICANT: Duesing, John H.
; APPLICANT: Friedrich, Leslie B.
; APPLICANT: Goodman, Robert M.
; APPLICANT: Harms, Christian
; APPLICANT: Meins, Jr., Frederick
; APPLICANT: Montoya, Alice
; APPLICANT: Moyer, Mary B.
; APPLICANT: Neuhaus, Jean-Marc
; APPLICANT: Payne, George B.
; APPLICANT: Sperison, Christoph
; APPLICANT: Stinson, Jeffrey R.
; APPLICANT: Uknes, Scott J.
; APPLICANT: Ward, Eric R.
; APPLICANT: Williams, Shericca C.
; TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
; TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/457,364
; FILING DATE: 31-MAY-1995
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/181,271
; FILING DATE: 13-JAN-94
; APPLICATION NUMBER: US 08/093,301
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:

```
;       APPLICATION NUMBER:  US 07/937,197
;       FILING DATE:  6-NOV-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/678,378
;       FILING DATE:  1-APR-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/305,566
;       FILING DATE:  6-FEB-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/165,667
;       FILING DATE:  8-MAR-1988
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/042,847
;       FILING DATE:  6-APR-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/632,441
;       FILING DATE:  21-DEC-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/425,504
;       FILING DATE:  20-OCT 1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/848,506
;       FILING DATE:  6-MAR-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/768,122
;       FILING DATE:  27-SEP-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/580,431
;       FILING DATE:  7-SEP-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/368,672
;       FILING DATE:  20-JUN-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/329,018
;       FILING DATE:  24-MAR-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/045,957
;       FILING DATE:  12-APR-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Elmer, James Scott
;       REGISTRATION NUMBER:  36,129
;       REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (919)541-8614
;       TELEFAX:  (919)541-8689
;   INFORMATION FOR SEQ ID NO:  85:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  30 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-457-364-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
              ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 267
US-08-456-262-85/c
; Sequence 85, Application US/08456262
; Patent No. 5851766
;  GENERAL INFORMATION:
;     APPLICANT:  Ryals, John A.
;     APPLICANT:  Alexander, Danny C.
;     APPLICANT:  Beck, James J.
;     APPLICANT:  Duesing, John H.
;     APPLICANT:  Friedrich, Leslie B.
;     APPLICANT:  Goodman, Robert M.
;     APPLICANT:  Harms, Christian
;     APPLICANT:  Meins, Jr., Frederick
;     APPLICANT:  Montoya, Alice
;     APPLICANT:  Moyer, Mary B.
;     APPLICANT:  Neuhaus, Jean-Marc
;     APPLICANT:  Payne, George B.
;     APPLICANT:  Sperison, Christoph
;     APPLICANT:  Stinson, Jeffrey R.
;     APPLICANT:  Uknes, Scott J.
;     APPLICANT:  Ward, Eric R.
;     APPLICANT:  Williams, Shericca C.
;     TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;     TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;     NUMBER OF SEQUENCES:  106
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  CIBA-GEIGY Corporation
;       STREET:  7 Skyline Drive
;       CITY:  Hawthorne
;       STATE:  New York
;       COUNTRY:  USA
;       ZIP:  10532
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/456,262
;       FILING DATE:  31-MAY-1995
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/181,271
;       FILING DATE:  13-JAN-94
;       APPLICATION NUMBER:  US 08/093,301
;       FILING DATE:  16-JUL-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/937,197
;       FILING DATE:  6-NOV-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/678,378
;       FILING DATE:  1-APR-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/305,566
;       FILING DATE:  6-FEB-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/165,667
;       FILING DATE:  8-MAR-1988
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/042,847
;       FILING DATE:  6-APR-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/632,441
;       FILING DATE:  21-DEC-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/425,504
;       FILING DATE:  20-OCT 1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/848,506
;       FILING DATE:  6-MAR-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/768,122
;       FILING DATE:  27-SEP-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/580,431
;       FILING DATE:  7-SEP-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/368,672
;       FILING DATE:  20-JUN-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/329,018
;       FILING DATE:  24-MAR-1989
;     PRIOR APPLICATION DATA:
```

```
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-456-262-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | ||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 268
US-08-456-240-85/c
; Sequence 85, Application US/08456240
; Patent No. 5856154
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
;    APPLICANT:  Friedrich, Leslie B.
;    APPLICANT:  Goodman, Robert M.
;    APPLICANT:  Harms, Christian
;    APPLICANT:  Meins, Jr., Frederick
;    APPLICANT:  Montoya, Alice
;    APPLICANT:  Moyer, Mary B.
;    APPLICANT:  Neuhaus, Jean-Marc
;    APPLICANT:  Payne, George B.
;    APPLICANT:  Sperison, Christoph
;    APPLICANT:  Stinson, Jeffrey R.
;    APPLICANT:  Uknes, Scott J.
;    APPLICANT:  Ward, Eric R.
;    APPLICANT:  Williams, Shericca C.
;    TITLE OF INVENTION:  CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
;    TITLE OF INVENTION:  DNA SEQUENCES AND USES THEREOF
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/456,240
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/181,271
;      FILING DATE:  13-JAN-94
;      APPLICATION NUMBER:  US 08/093,301
;      FILING DATE:  16-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/937,197
;      FILING DATE:  6-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/678,378
;      FILING DATE:  1-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/305,566
;      FILING DATE:  6-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/165,667
;      FILING DATE:  8-MAR-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/042,847
;      FILING DATE:  6-APR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/632,441
;      FILING DATE:  21-DEC-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/425,504
;      FILING DATE:  20-OCT 1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/848,506
;      FILING DATE:  6-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/768,122
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/580,431
;      FILING DATE:  7-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/368,672
;      FILING DATE:  20-JUN-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/329,018
;      FILING DATE:  24-MAR-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/045,957
;      FILING DATE:  12-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Elmer, James Scott
;      REGISTRATION NUMBER:  36,129
;      REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8614
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-456-240-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | ||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 269
US-08-455-736-85/c
; Sequence 85, Application US/08455736
; Patent No. 5880328
;  GENERAL INFORMATION:
;    APPLICANT:  Ryals, John A.
;    APPLICANT:  Alexander, Danny C.
;    APPLICANT:  Beck, James J.
;    APPLICANT:  Duesing, John H.
```

; APPLICANT: Friedrich, Leslie B.
; APPLICANT: Goodman, Robert M.
; APPLICANT: Harms, Christian
; APPLICANT: Meins, Jr., Frederick
; APPLICANT: Montoya, Alice
; APPLICANT: Moyer, Mary B.
; APPLICANT: Neuhaus, Jean-Marc
; APPLICANT: Payne, George B.
; APPLICANT: Sperison, Christoph
; APPLICANT: Stinson, Jeffrey R.
; APPLICANT: Uknes, Scott J.
; APPLICANT: Ward, Eric R.
; APPLICANT: Williams, Shericca C.
; TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
; TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CIBA-GEIGY Corporation
; STREET: 7 Skyline Drive
; CITY: Hawthorne
; STATE: New York
; COUNTRY: USA
; ZIP: 10532
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,736
; FILING DATE: 31-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/181,271
; FILING DATE: 13-JAN-1994
; APPLICATION NUMBER: US 08/093,301
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,197
; FILING DATE: 6-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/678,378
; FILING DATE: 1-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/305,566
; FILING DATE: 6-FEB-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/165,667
; FILING DATE: 8-MAR-1988
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/042,847
; FILING DATE: 6-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/632,441
; FILING DATE: 21-DEC-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/425,504
; FILING DATE: 20-OCT 1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/848,506
; FILING DATE: 6-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/768,122
; FILING DATE: 27-SEP-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/580,431
; FILING DATE: 7-SEP-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/368,672
; FILING DATE: 20-JUN-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/329,018
; FILING DATE: 24-MAR-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/045,957
; FILING DATE: 12-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Elmer, James Scott
; REGISTRATION NUMBER: 36,129
; REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (919)541-8614
; TELEFAX: (919)541-8689
; INFORMATION FOR SEQ ID NO: 85:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-455-736-85

Query Match 0.7%; Score 19.6; DB 1; Length 30;
Best Local Similarity 84.6%; Pred. No. 7.4e+02;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
||| | |||||||||||||||| || |
Db 30 CTTATGTTTTTTTTTTTTTTTGAATT 5

RESULT 270
US-08-971-217-85/c
; Sequence 85, Application US/08971217
; Patent No. 5942662
; GENERAL INFORMATION:
; APPLICANT: Ryals, John A.
; APPLICANT: Harms, Christian
; APPLICANT: Friedrich, Leslie
; APPLICANT: Beck, James
; APPLICANT: Uknes, Scott
; APPLICANT: Ward, Eric
; TITLE OF INVENTION: INDUCIBLE HERBICIDE RESISTANCE
; NUMBER OF SEQUENCES: 111
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5942662artis Corporation
; STREET: 3054 Cornwallis Road, P.O. Box 12257
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/971,217
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/457,364
; FILING DATE: 31-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/181,271
; FILING DATE: 13-JAN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/093,301
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/937,197
; FILING DATE: 6-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/678,378
; FILING DATE: 1-APR-1991
; PRIOR APPLICATION DATA:

```
;       APPLICATION NUMBER:  US 07/305,566
;       FILING DATE:  6-FEB-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/165,667
;       FILING DATE:  8-MAR-1988
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/042,847
;       FILING DATE:  6-APR-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/632,441
;       FILING DATE:  21-DEC-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/425,504
;       FILING DATE:  20-OCT 1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/848,506
;       FILING DATE:  6-MAR-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/768,122
;       FILING DATE:  27-SEP-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/580,431
;       FILING DATE:  7-SEP-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/368,672
;       FILING DATE:  20-JUN-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/329,018
;       FILING DATE:  24-MAR-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/045,957
;       FILING DATE:  12-APR-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Meigs, J. Timothy
;       REGISTRATION NUMBER:  38,241
;       REFERENCE/DOCKET NUMBER:  S-19825/P1/CGC 1727/DIV5/CONT
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (919)541-8587
;       TELEFAX:  (919)541-8689
;   INFORMATION FOR SEQ ID NO:  85:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  30 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-971-217-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
             ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 271
US-09-350-600-85/c
; Sequence 85, Application US/09350600
; Patent No. 6262342
;  GENERAL INFORMATION:
;     APPLICANT:  Meins, Frederick
;     APPLICANT:  Shinshi, Hideaki
;     APPLICANT:  Wenzler, Herman
;     APPLICANT:  Hofsteenge, Jan
;     APPLICANT:  Ryals, John
;     APPLICANT:  Sperisen, Christoph
;     TITLE OF INVENTION:  DNA SEQUENCES ENCODING POLYPEPTIDES
;     TITLE OF INVENTION:  HAVING BETA-1,3-GLUCANASE ACTIVITY
;     NUMBER OF SEQUENCES:  111
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  No. 6262342artis Corporation
;       STREET:  3054 Cornwallis Road, P.O. Box 12257
;       CITY:  Research Triangle Park
;       STATE:  NC
;       COUNTRY:  USA
;       ZIP:  27709
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/350,600
;       FILING DATE:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/971,217
;       FILING DATE:  14-NOV-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/457,364
;       FILING DATE:  31-MAY-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/181,271
;       FILING DATE:  13-JAN-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/093,301
;       FILING DATE:  16-JUL-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/937,197
;       FILING DATE:  6-NOV-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/678,378
;       FILING DATE:  1-APR-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/305,566
;       FILING DATE:  6-FEB-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/165,667
;       FILING DATE:  8-MAR-1988
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/042,847
;       FILING DATE:  6-APR-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/632,441
;       FILING DATE:  21-DEC-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/425,504
;       FILING DATE:  20-OCT 1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/848,506
;       FILING DATE:  6-MAR-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/768,122
;       FILING DATE:  27-SEP-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/580,431
;       FILING DATE:  7-SEP-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/368,672
;       FILING DATE:  20-JUN-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/329,018
;       FILING DATE:  24-MAR-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/381,443
;       FILING DATE:  18-JUL-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/353,312
;       FILING DATE:  17-MAY-1989
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/226,303
;       FILING DATE:  29-JUL-1988
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/045,957
;       FILING DATE:  12-APR-1993
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meigs, J. Timothy
;      REGISTRATION NUMBER:  38,241
;      REFERENCE/DOCKET NUMBER:  S-19825O
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919)541-8587
;      TELEFAX:  (919)541-8689
;  INFORMATION FOR SEQ ID NO:  85:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-350-600-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 272
US-09-906-234-85/c
; Sequence 85, Application US/09906234
; Patent No. 6632981
;  GENERAL INFORMATION:
;       APPLICANT: Meins, Frederick
;                  Shinshi, Hideaki
;                  Wenzler, Herman
;                  Hofsteenge, Jan
;                  Ryals, John
;                  Sperisen, Christoph
;       TITLE OF INVENTION: DNA SEQUENCES ENCODING POLYPEPTIDES
;                           HAVING BETA-1,3-GLUCANASE ACTIVITY
;       NUMBER OF SEQUENCES: 111
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: No. 6632981artis Corporation
;            STREET: 3054 Cornwallis Road, P.O. Box 12257
;            CITY: Research Triangle Park
;            STATE: NC
;            COUNTRY: USA
;            ZIP: 27709
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/906,234
;            FILING DATE: 16-Jul-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/350,600
;            FILING DATE: 9-JULY-1999
;            APPLICATION NUMBER: US 08/457,364
;            FILING DATE: 31-MAY-1995
;            APPLICATION NUMBER: US 08/181,271
;            FILING DATE: 13-JAN-1994
;            APPLICATION NUMBER: US 08/093,301
;            FILING DATE: 16-JUL-1993
;            APPLICATION NUMBER: US 07/937,197
;            FILING DATE: 6-NOV-1992
;            APPLICATION NUMBER: US 07/678,378
;            FILING DATE: 1-APR-1991
;            APPLICATION NUMBER: US 07/305,566
;            FILING DATE: 6-FEB-1989
;            APPLICATION NUMBER: US 07/165,667
;            FILING DATE: 8-MAR-1988
;            APPLICATION NUMBER: US 08/042,847
;            FILING DATE: 6-APR-1993
;            APPLICATION NUMBER: US 07/632,441
;            FILING DATE: 21-DEC-1990
;            APPLICATION NUMBER: US 07/425,504
;            FILING DATE: 20-OCT 1989
;            APPLICATION NUMBER: US 07/848,506
;            FILING DATE: 6-MAR-1992
;            APPLICATION NUMBER: US 07/768,122
;            FILING DATE: 27-SEP-1991
;            APPLICATION NUMBER: US 07/580,431
;            FILING DATE: 7-SEP-1990
;            APPLICATION NUMBER: US 07/368,672
;            FILING DATE: 20-JUN-1989
;            APPLICATION NUMBER: US 07/329,018
;            FILING DATE: 24-MAR-1989
;            APPLICATION NUMBER: US 07/381,443
;            FILING DATE: 18-JUL-1989
;            APPLICATION NUMBER: US 07/353,312
;            FILING DATE: 17-MAY-1989
;            APPLICATION NUMBER: US 07/226,303
;            FILING DATE: 29-JUL-1988
;            APPLICATION NUMBER: US 08/045,957
;            FILING DATE: 12-APR-1993
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Meigs, J. Timothy
;            REGISTRATION NUMBER: 38,241
;            REFERENCE/DOCKET NUMBER: S-19825O
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (919)541-8587
;            TELEFAX: (919)541-8689
;  INFORMATION FOR SEQ ID NO: 85:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 30 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 85:
US-09-906-234-85

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTTAACT 2190
                ||| | |||||||||||||||| || |
Db         30 CTTATGTTTTTTTTTTTTTTTGAATT 5


RESULT 273
US-08-629-001A-44
; Sequence 44, Application US/08629001A
; Patent No. 5858661
;  GENERAL INFORMATION:
;    APPLICANT:  Shiloh, Yosef
;    TITLE OF INVENTION:  ATAXIA-TELANGIECTASIA GENE AND ITS
;    TITLE OF INVENTION:  GENOMIC ORGANIZATION
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kohn & Associates
;      STREET:  30500 No. 5858661thwestern Hwy.
;      CITY:  Farmington Hills
;      STATE:  Michigan
;      COUNTRY:  US
;      ZIP:  48334
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/629,001A
;      FILING DATE:
;      CLASSIFICATION:  435
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,955
;      REFERENCE/DOCKET NUMBER:  2290.00032
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810) 539-5050
;      TELEFAX:  (810) 539-5055
;  INFORMATION FOR SEQ ID NO:  44:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-629-001A-44

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTT 2178
              |||||| |||| ||| |||| |||||
Db             5 GATTTTCTTCTTCTTGTTTTGTTTT 30


RESULT 274
US-08-642-274D-123
; Sequence 123, Application US/08642274D
; Patent No. 6200749
; GENERAL INFORMATION:
;  APPLICANT:  Shiloh, Yosef
;  TITLE OF INVENTION:  MUTATED FORMS OF THE ATAXIA-TELANGIECTASIA GENE AND METHOD TO
;  TITLE OF INVENTION:  SCREEN FOR A PARTIAL A-T PHENOTYPE
;  FILE REFERENCE:  229000033
;  CURRENT APPLICATION NUMBER: US/08/642,274D
;  CURRENT FILING DATE:  1996-05-03
;  NUMBER OF SEQ ID NOS:  220
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 123
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:intronic
;   OTHER INFORMATION: sequence
US-08-642-274D-123

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 30;
  Best Local Similarity   84.6%;  Pred. No. 7.4e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTTTTTTTT 2178
              |||||| |||| ||| |||| |||||
Db             5 GATTTTCTTCTTCTTGTTTTGTTTT 30


RESULT 275
US-08-113-646A-5/c
; Sequence 5, Application US/08113646A
; Patent No. 5578468
;  GENERAL INFORMATION:
;    APPLICANT:  PICKUP, David J.
;    APPLICANT:  PATEL, Dhavalkumar
;    APPLICANT:  ANTCZAK, James B.
;    TITLE OF INVENTION:  SITE-SPECIFIC RNA CLEAVAGE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/113,646A
;      FILING DATE:  31-AUG-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/084,406
;      FILING DATE:  10-AUG-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1579-20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  RNA (genomic)
US-08-113-646A-5

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 32;
  Best Local Similarity   84.6%;  Pred. No. 8.9e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2167 TTTTTTTTTTTTTTTTTTTTAACTTT 2192
              |||||||||||||||||| | || | |
Db            32 TTTTTTTTTTTTTTTTTTATAAAATCT 7


RESULT 276
US-09-061-026-26/c
; Sequence 26, Application US/09061026
; Patent No. 6077934
;  GENERAL INFORMATION:
;    APPLICANT:  Jacobsen, Richard
;    APPLICANT:  Olivera, Baldomero M.
;    TITLE OF INVENTION:  Contryphan Peptides
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz, p.c.
;      STREET:  755 Thirteenth Street N.W., Suite 701-E
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/061,026
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/068,737
;      FILING DATE:  24-DEC-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  2314-133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-783-6040
;      TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  26:
```

```
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  33 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "primer"
US-09-061-026-26

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 33;
  Best Local Similarity   84.6%;  Pred. No. 9.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db         33 AAAAAAAAAAAAAAAAAAAAAAAAAA 8


RESULT 277
US-09-466-138-26/c
; Sequence 26, Application US/09466138
; Patent No. 6153738
;  GENERAL INFORMATION:
;    APPLICANT:  Jacobsen, Richard
;    APPLICANT:  Olivera, Baldomero M.
;    TITLE OF INVENTION:  Contryphan Peptides
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rothwell, Figg, Ernst & Kurz, p.c.
;      STREET:  755 Thirteenth Street N.W., Suite 701-E
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/466,138
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/061,026
;      FILING DATE:
;      APPLICATION NUMBER:  US 60/068,737
;      FILING DATE:  24-DEC-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  2314-133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-783-6040
;      TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  33 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "primer"
US-09-466-138-26

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 33;
  Best Local Similarity   84.6%;  Pred. No. 9.7e+02;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db         33 AAAAAAAAAAAAAAAAAAAAAAAAAA 8


RESULT 278
US-09-462-569B-4/c
; Sequence 4, Application US/09462569B
; Patent No. 6392124
; GENERAL INFORMATION:
;  APPLICANT: PONZ ASCASO, Fernando
;  APPLICANT:  TORRES PASCUAL, Vicente
;  APPLICANT:  SANCHEZ SANCHEZ, Florentina
;  APPLICANT:  MARTINEZ HERRERA, David
;  TITLE OF INVENTION: INFECTIOUS VECTORS AND CLONES OF PLANTS DERIVED FROM
;  TITLE OF INVENTION:  THE TURNIP MOSAIC VIRUS (TuMV)
;  FILE REFERENCE: P/613-110
;  CURRENT APPLICATION NUMBER: US/09/462,569B
;  CURRENT FILING DATE:  2000-04-03
;  PRIOR APPLICATION NUMBER: PCT/ES98/00200
;  PRIOR FILING DATE: 1998-07-09
;  PRIOR APPLICATION NUMBER: ES P 9701522
;  PRIOR FILING DATE: 1997-07-09
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 36
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: construct
US-09-462-569B-4

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 36;
  Best Local Similarity   84.6%;  Pred. No. 1.2e+03;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db         36 AAAAAAAAAAAAAAAAAAAAAAAAAA 11


RESULT 279
US-08-113-646A-44
; Sequence 44, Application US/08113646A
; Patent No. 5578468
;  GENERAL INFORMATION:
;    APPLICANT:  PICKUP, David J.
;    APPLICANT:  PATEL, Dhavalkumar
;    APPLICANT:  ANTCZAK, James B.
;    TITLE OF INVENTION:  SITE-SPECIFIC RNA CLEAVAGE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/113,646A
;      FILING DATE:  31-AUG-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/084,406
;      FILING DATE:  10-AUG-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1579-20
;    TELECOMMUNICATION INFORMATION:
```

```
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  44:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  37 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  RNA (genomic)
US-08-113-646A-44

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 37;
  Best Local Similarity   84.6%;  Pred. No. 1.3e+03;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db             2 AAAAAAAAAAAAAAAAAAAAAAAAAA 27


RESULT 280
US-09-720-201A-19/c
; Sequence 19, Application US/09720201A
; Patent No. 6524853
; GENERAL INFORMATION:
;  APPLICANT: KOHARA, MICHINORI
;  APPLICANT:  KOHARA, KYOKO
;  APPLICANT:  TAIRA, KAZUNARI
;  APPLICANT:  MATSUZAKI, JUNICHI
;  APPLICANT:  OHMORI, HIROSHI
;  TITLE OF INVENTION: A VECTOR EXPRESSING AN RNA VIRAL FULL-LENGTH GENE AND
;  TITLE OF INVENTION:  ITS USE
;  FILE REFERENCE: 04853.0051-00000
;  CURRENT APPLICATION NUMBER: US/09/720,201A
;  CURRENT FILING DATE:  2000-12-22
;  PRIOR APPLICATION NUMBER: JP 98/177,820
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: PCT/JP99/03381
;  PRIOR FILING DATE: 1999-06-24
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;    LENGTH: 38
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-720-201A-19

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 38;
  Best Local Similarity   84.6%;  Pred. No. 1.4e+03;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db            38 AAAAAAAAAAAAAAAAAAAAAAAAAA 13


RESULT 281
US-08-771-624B-1/c
; Sequence 1, Application US/08771624B
; Patent No. 5914230
;  GENERAL INFORMATION:
;    APPLICANT:  Liu, Yen Ping
;    APPLICANT:  Patel, Rajesh D.
;    APPLICANT:  Kurn, Nurith
;    APPLICANT:  Lin, Claire
;    APPLICANT:  Rose, Samuel J.
;    APPLICANT:  Ullman, Edwin F.
;    TITLE OF INVENTION:  Homogeneous Amplification and Detection
;    TITLE OF INVENTION:  of Nucleic Acids
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Behring Diagnostics GmbH, c/o Dade Behring Inc.
;      STREET:  1717 Deerfield Road
;      CITY:  Deerfield
;      STATE:  Illinois
;      COUNTRY:  US
;      ZIP:  60015-0778
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,624B
;      FILING DATE:  20-DEC-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/009,090
;      FILING DATE:  22-DEC-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ruszala, Lois K.
;      REGISTRATION NUMBER:  39,074
;      REFERENCE/DOCKET NUMBER:  1030
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (847) 267-5364
;      TELEFAX:  (847) 267-6024
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  40 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  C-terminal
US-08-771-624B-1

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 40;
  Best Local Similarity   84.6%;  Pred. No. 1.5e+03;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||
Db            40 AAAAAAAAAAAAAAAAAAAAAAAAAA 15


RESULT 282
US-08-440-209-4/c
; Sequence 4, Application US/08440209
; Patent No. 5922857
;  GENERAL INFORMATION:
;    APPLICANT:  Han, Jang H
;    APPLICANT:  Spaete, Richard R
;    TITLE OF INVENTION:  Methods and Compositions for Controlling
;    TITLE OF INVENTION:  Translation of HCV Proteins
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield, and Sacks P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/440,209
;      FILING DATE:  12-MAY-1995
```

```
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/477,895
;      FILING DATE:  06-JUN-1995
;      APPLICATION NUMBER:  US 08/128,583
;      FILING DATE:  28-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Janiuk, Anthony J
;      REGISTRATION NUMBER:  29,809
;      REFERENCE/DOCKET NUMBER:  C0772/7004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  40 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-440-209-4

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 40;
  Best Local Similarity   84.6%;  Pred. No. 1.5e+03;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||||
Db         40 AAAAAAAAAAAAAAAAAAAAAAAAAA 15


RESULT 283
US-08-439-996-4/c
; Sequence 4, Application US/08439996
; Patent No. 6057093
;  GENERAL INFORMATION:
;    APPLICANT:  Han, Jang H
;    APPLICANT:  Spaete, Richard R
;    TITLE OF INVENTION:  Methods and Compositions for Controlling
;    TITLE OF INVENTION:  Translation of HCV Proteins
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield, and Sacks P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/439,996
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/477,895A
;      FILING DATE:
;      APPLICATION NUMBER:  US 08/128,583
;      FILING DATE:  28-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Janiuk, Anthony J
;      REGISTRATION NUMBER:  29,809
;      REFERENCE/DOCKET NUMBER:  C0772/7004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  40 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-439-996-4

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 40;
  Best Local Similarity   84.6%;  Pred. No. 1.5e+03;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||||
Db         40 AAAAAAAAAAAAAAAAAAAAAAAAAA 15


RESULT 284
US-09-732-067-7
; Sequence 7, Application US/09732067
; Patent No. 6457426
; GENERAL INFORMATION:
;  APPLICANT: Ullman, Edwin
;  APPLICANT:  Singh, Rajendra
;  APPLICANT:  DeKeczer, Steve
;  APPLICANT:  Davalian, Dariush
;  TITLE OF INVENTION: Amplified Luminescent Homogeneous
;  TITLE OF INVENTION:  Immunoassay
;  FILE REFERENCE: BEH-7385
;  CURRENT APPLICATION NUMBER: US/09/732,067
;  CURRENT FILING DATE:  2000-12-07
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 40
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: hybridization oligo
US-09-732-067-7

  Query Match             0.7%;  Score 19.6;  DB 1;  Length 40;
  Best Local Similarity   84.6%;  Pred. No. 1.5e+03;
  Matches   22;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
                | ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAAAA 26


RESULT 285
US-09-197-814-9/c
; Sequence 9, Application US/09197814A
; Patent No. 6316220
; GENERAL INFORMATION:
;  APPLICANT: Christensen, Tove
;  TITLE OF INVENTION: A Transcription Factor
;  FILE REFERENCE: 4484.204-US
;  CURRENT APPLICATION NUMBER: US/09/197,814A
;  CURRENT FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: 0740/96
;  EARLIER FILING DATE: 1996-07-05
;  EARLIER APPLICATION NUMBER: PCT/DK97/00305
;  EARLIER FILING DATE: 1997-07-07
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
;   LENGTH: 41
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
```

US-09-197-814-9

Query Match 0.7%; Score 19.6; DB 1; Length 41;
Best Local Similarity 84.6%; Pred. No. 1.5e+03;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db         41 AAAAAAAAAAAAAAAAAAAAAAAAAA 16
```

RESULT 286
US-09-920-581-9/c
; Sequence 9, Application US/09920581
; Patent No. 6555657
; GENERAL INFORMATION:
; APPLICANT: Christensen, Tove
; TITLE OF INVENTION: A Transcription Factor
; FILE REFERENCE: 4484.204-US
; CURRENT APPLICATION NUMBER: US/09/920,581
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 09/197,814
; PRIOR FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: PCT/DK97/00305
; PRIOR FILING DATE: 1997-07-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 41
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Primer
US-09-920-581-9

Query Match 0.7%; Score 19.6; DB 1; Length 41;
Best Local Similarity 84.6%; Pred. No. 1.5e+03;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAAA 2804
              | ||   ||||||||||||||||||||
Db         41 AAAAAAAAAAAAAAAAAAAAAAAAAA 16
```

RESULT 287
US-09-475-947A-119
; Sequence 119, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
; APPLICANT: Garner, Harold R.
; APPLICANT: Wren, Jonathan D.
; APPLICANT: Minna, John D.
; TITLE OF INVENTION: Polymorphic Repeats in Human Genes
; FILE REFERENCE: UTSD0667
; CURRENT APPLICATION NUMBER: US/09/475,947A
; CURRENT FILING DATE: 1999-12-31
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 119
; LENGTH: 21
; TYPE: DNA
; ORGANISM: human
US-09-475-947A-119

Query Match 0.7%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 2.5e+02;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              |||||||||| |||||||||
Db          1 TTTTTTTTTTATTTTTTTT 21
```

RESULT 288
US-09-721-154-2
; Sequence 2, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
; APPLICANT: Vaisberg, Eugeni
; APPLICANT: Adams, Cynthia
; APPLICANT: Sabry, James
; APPLICANT: Crompton, Anne
; TITLE OF INVENTION: Database system including computer code
; TITLE OF INVENTION: for predictive cellular bioinformatics
; FILE REFERENCE: CytoP007C2
; CURRENT APPLICATION NUMBER: US/09/721,154
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 09/311,996
; PRIOR FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 24
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Psuedo-sequence
US-09-721-154-2

Query Match 0.7%; Score 19.4; DB 1; Length 24;
Best Local Similarity 95.2%; Pred. No. 3.9e+02;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||| ||||||||||||||
Db          2 TTTTTTTATTTTTTTTTTTT 22
```

RESULT 289
US-09-527-345-6/c
; Sequence 6, Application US/09527345
; Patent No. 6331413
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Adler, David A.
; TITLE OF INVENTION: SECRETED SALIVARY ZSIG63 POLYPEPTIDE
; FILE REFERENCE: 97-71
; CURRENT APPLICATION NUMBER: US/09/527,345
; CURRENT FILING DATE: 1999-03-17
; PRIOR APPLICATION NUMBER: US 60/124,820
; PRIOR FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 26
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer ZC7231
US-09-527-345-6

Query Match 0.7%; Score 19.4; DB 1; Length 26;
Best Local Similarity 84.0%; Pred. No. 5.2e+02;
Matches 21; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
              :||   ||||||||||||||||||||
Db         26 BAAAAAAAAAAAAAAAAAAAAAAAA 2
```

RESULT 290
US-09-167-513-10/c
; Sequence 10, Application US/09167513
; Patent No. 6388064
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.

```
;  APPLICANT: Blumberg, Hal
;  TITLE OF INVENTION: A HUMAN 2-19 PROTEIN HOMOLOGUE, Z219A
;  FILE REFERENCE: 97-63
;  CURRENT APPLICATION NUMBER: US/09/167,513
;  CURRENT FILING DATE: 1998-10-06
;  EARLIER APPLICATION NUMBER: US 60/061,712
;  EARLIER FILING DATE: 1997-10-06
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
;    LENGTH: 26
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligonucleotide primer ZC7231
US-09-167-513-10

  Query Match              0.7%;  Score 19.4;  DB 1;  Length 26;
  Best Local Similarity   84.0%;  Pred. No. 5.2e+02;
  Matches   21;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
                :||   ||||||||||||||||||||
Db         26 BAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 291
US-09-161-939A-43/c
; Sequence 43, Application US/09161939A
; Patent No. 6486299
; GENERAL INFORMATION:
;  APPLICANT: Shimkets, Richard A.
;  TITLE OF INVENTION: Genes and Proteins Predictive and Therapeutic for
;  TITLE OF INVENTION:  Stroke, Hypertension, Diabetes, and Obesity
;  FILE REFERENCE: 15966-527
;  CURRENT APPLICATION NUMBER: US/09/161,939A
;  CURRENT FILING DATE:  1998-09-28
;  NUMBER OF SEQ ID NOS: 44
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
;    LENGTH: 26
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: oligo(dT)<25>V
US-09-161-939A-43

  Query Match              0.7%;  Score 19.4;  DB 1;  Length 26;
  Best Local Similarity   84.0%;  Pred. No. 5.2e+02;
  Matches   21;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAAAAAAAAAA 2804
                :||   ||||||||||||||||||||
Db         26 BAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 292
US-08-117-361C-3
; Sequence 3, Application US/08117361C
; Patent No. 5773223
;  GENERAL INFORMATION:
;    APPLICANT:  Venkatakrishna, Shyamala
;    APPLICANT:  Tekamp-Olson, Patricia
;    TITLE OF INVENTION:  Endothelin B1 (ETB1) Receptor Polypeptide
;    TITLE OF INVENTION:  Compositions, Methods, and Uses Thereof
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Chiron Corporation
;      STREET:  4560 Horton Streeet
;      CITY:  Emeryville
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  946087
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 &
;      SOFTWARE:  Word 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/117,361C
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Chung, Ling-Fong
;      REGISTRATION NUMBER:  36,482
;      REFERENCE/DOCKET NUMBER:  0945.001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 923-2704
;      TELEFAX:  (510) 655-3542
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-117-361C-3

  Query Match              0.7%;  Score 19.4;  DB 1;  Length 26;
  Best Local Similarity   95.2%;  Pred. No. 5.2e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
                | ||||||||||||||||||||
Db          6 TACTTTTTTTTTTTTTTTTT 26


RESULT 293
US-08-805-814-9
; Sequence 9, Application US/08805814
; Patent No. 5716820
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jon
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pioneer Hi-Bred International
;      STREET:  700 Capital Square, 400 Locust Street
;      CITY:  Des Moines
;      STATE:  IA
;      COUNTRY:  USA
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  Microsoft Windows 3.1 - No. 5716820epad
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,814
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Roth, Michael J.
;      REGISTRATION NUMBER:  29,342
;      REFERENCE/DOCKET NUMBER:  0272 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515-248-4895
;      TELEFAX:  515-248-4934
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 bases
;      TYPE:  nucleotide
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  probe
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-805-814-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 294
US-08-484-815-9
; Sequence 9, Application US/08484815
; Patent No. 5792931
;  GENERAL INFORMATION:
;    APPLICANT:  DUVICK, JONATHAN
;    APPLICANT:  ROOD, TRACY A.
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pioneer Hi-Bred International
;      STREET:  700 Capital Square, 400 Locust Street
;      CITY:  Des Moines
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,815
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bobrowicz, Donna I.
;      REGISTRATION NUMBER:  32,196
;      REFERENCE/DOCKET NUMBER:  0272 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515 248-4895
;      TELEFAX:  515 248-4934
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-484-815-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 295
US-08-858-767-13
; Sequence 13, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-767-13

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 296
US-08-858-767-14
; Sequence 14, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
```

```
;      FILING DATE:  19-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-767-14

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 297
US-08-858-767-15
; Sequence 15, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-767-15

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 298
US-08-863-028-13
; Sequence 13, Application US/08863028
; Patent No. 5853991
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-13

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 299
US-08-863-028-14
; Sequence 14, Application US/08863028
; Patent No. 5853991
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-14

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTTT 27


RESULT 300
US-08-863-028-15
; Sequence 15, Application US/08863028
; Patent No. 5853991
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-15

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTTT 27


RESULT 301
US-08-888-949-9
; Sequence 9, Application US/08888949
; Patent No. 6025188
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jonathan
;    APPLICANT:  Maddox, Joyce R.
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PIONEER HI-BRED INTERNATIONAL, INC.
;      STREET:  Darwin Building, 7100 N.W. 62nd Ave., P.O.
;      STREET:  Box 1000
;      CITY:  Johnston
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50131
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/888,949
;      FILING DATE:  07-JUL-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/484,815
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/289,595
;      FILING DATE:  12-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
```

```
;       NAME:  Sweeney, Patricia A.
;       REGISTRATION NUMBER:  32,733
;       REFERENCE/DOCKET NUMBER:  272R3
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (515) 248-4800
;       TELEFAX:  (515) 248-4844
;   INFORMATION FOR SEQ ID NO:  9:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  28 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-888-949-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 302
US-08-888-950-9
; Sequence 9, Application US/08888950
; Patent No. 6229071
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jonathan
;    APPLICANT:  Maddox, Joyce R.
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PIONEER HI-BRED INTERNATIONAL, INC.
;      STREET:  Darwin Building, 7100 N.W. 62nd Ave., P.O.
;      STREET:  Box 1000
;      CITY:  Johnston
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50131
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/888,950
;      FILING DATE:  07-JUL-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/484,815
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/289,595
;      FILING DATE:  12-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sweeney, Patricia A.
;      REGISTRATION NUMBER:  32,733
;      REFERENCE/DOCKET NUMBER:  272R2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (515) 248-4800
;      TELEFAX:  (515) 248-4844
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-888-950-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 303
US-09-262-758-9
; Sequence 9, Application US/09262758
; Patent No. 6239330
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jonathan
;    APPLICANT:  Maddox, Joyce R.
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PIONEER HI-BRED INTERNATIONAL, INC.
;      STREET:  Darwin Building, 7100 N.W. 62nd Ave., P.O.
;      STREET:  Box 1000
;      CITY:  Johnston
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50131
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/262,758
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/484,815
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/289,595
;      FILING DATE:  12-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sweeney, Patricia A.
;      REGISTRATION NUMBER:  32,733
;      REFERENCE/DOCKET NUMBER:  272R3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (515) 248-4800
;      TELEFAX:  (515) 248-4844
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-262-758-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 304
US-08-821-827C-19
```

```
; Sequence 19, Application US/08821827C
; Patent No. 6297425
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561A
;  CURRENT APPLICATION NUMBER: US/08/821,827C
;  CURRENT FILING DATE:  1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 19
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-08-821-827C-19

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
                ||| ||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 305
US-09-290-202B-19
; Sequence 19, Application US/09290202B
; Patent No. 6303846
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561D
;  CURRENT APPLICATION NUMBER: US/09/290,202B
;  CURRENT FILING DATE:  1999-04-12
;  PRIOR APPLICATION NUMBER: 08/821,827
;  PRIOR FILING DATE: 1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 19
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-09-290-202B-19

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
                ||| ||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 306
US-09-885-876-9
; Sequence 9, Application US/09885876
; Patent No. 6514749
; GENERAL INFORMATION:
;  APPLICANT: DUVICK, JON
;  APPLICANT:  MADDOX, JOYCE R.
;  APPLICANT:  ROOD, TRACY A.
;  TITLE OF INVENTION: FUMONISIN DETOXIFICATION COMPOSITIONS AND METHODS
;  FILE REFERENCE: 0272R2CD2
;  CURRENT APPLICATION NUMBER: US/09/885,876
;  CURRENT FILING DATE:  2001-06-20
;  PRIOR APPLICATION NUMBER: 09/758,063
;  PRIOR FILING DATE: 2001-01-10
;  PRIOR APPLICATION NUMBER: 08/888,950
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: 08/484,815
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/289,595
;  PRIOR FILING DATE: 1994-08-12
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Exophiala spinifera
US-09-885-876-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
                ||| ||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 307
US-09-885-901-9
; Sequence 9, Application US/09885901
; Patent No. 6573075
; GENERAL INFORMATION:
;  APPLICANT: DUVICK, JON
;  APPLICANT:  MADDOX, JOYCE R.
;  APPLICANT:  WANG, XUN
;  TITLE OF INVENTION: FUMONISIN DETOXIFICATION COMPOSITIONS AND METHODS
;  FILE REFERENCE: 0272R2CD
;  CURRENT APPLICATION NUMBER: US/09/885,901
;  CURRENT FILING DATE:  2001-06-20
;  PRIOR APPLICATION NUMBER: 09/758,063
;  PRIOR FILING DATE: 2001-01-10
;  PRIOR APPLICATION NUMBER: 08/888,950
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: 08/484,815
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/289,595
;  PRIOR FILING DATE: 1994-08-12
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Exophiala spinifera
US-09-885-901-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
                ||| ||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 308
US-09-731-393-9
; Sequence 9, Application US/09731393
; Patent No. 6670189
; GENERAL INFORMATION:
;  APPLICANT:  Duvick, Jonathan
;  TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS AND METHODS
;  FILE REFERENCE:  0272R3DD
;  CURRENT APPLICATION NUMBER: US/09/731,393
;  CURRENT FILING DATE:  2000-12-05
```

```
;  PRIOR APPLICATION NUMBER:  09/262,758
;  PRIOR FILING DATE:  1999-03-04
;  PRIOR APPLICATION NUMBER:  08/888,949
;  PRIOR FILING DATE:  1997-07-07
;  PRIOR APPLICATION NUMBER:  08/289,595
;  PRIOR FILING DATE:  1994-08-12
;  NUMBER OF SEQ ID NOS:  17
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Exophiala spinifera
US-09-731-393-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 309
PCT-US95-10284-9
; Sequence 9, Application PC/TUS9510284
;  GENERAL INFORMATION:
;    APPLICANT:  PIONEER HI-BRED INTERNATIONAL, INC.
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pioneer Hi-Bred International
;      STREET:  700 Capital Square, 400 Locust Street
;      CITY:  Des Moines
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/10284
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bobrowicz, Donna I.
;      REGISTRATION NUMBER:  32,196
;      REFERENCE/DOCKET NUMBER:  0272-PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515 248-4895
;      TELEFAX:  515 248-4844
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
PCT-US95-10284-9

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 28;
  Best Local Similarity   95.2%;  Pred. No. 6.5e+02;
  Matches   20;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2183
              ||| ||||||||||||||||||
Db          7 TCCGTTTTTTTTTTTTTTTT 27


RESULT 310
US-08-090-369-8
; Sequence 8, Application US/08090369
; Patent No. 6258943
;  GENERAL INFORMATION:
;    APPLICANT:  Fong, T.M.
;    APPLICANT:  Huang, R-R. C.
;    APPLICANT:  Strader, C.D.
;    TITLE OF INVENTION:  Human Neurokinin-3 Receptor
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merck & Co., Inc.
;      STREET:  P.O. Box 2000
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/090,369
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/851,974
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thies, J. E.
;      REGISTRATION NUMBER:  P-35,382
;      REFERENCE/DOCKET NUMBER:  18685
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 594-3904
;      TELEFAX:  (908) 594-4720
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-090-369-8

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 29;
  Best Local Similarity   79.3%;  Pred. No. 7.3e+02;
  Matches   23;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTTTTTTTTTTTT 2184
              ||||    ||  ||||||||||||||||||
Db          1 TTTTGCGGCCGCTTTTTTTTTTTTTTTTT 29


RESULT 311
US-09-482-971-8
; Sequence 8, Application US/09482971
; Patent No. 6348330
;  GENERAL INFORMATION:
;    APPLICANT:  Fong, T.M.
;    APPLICANT:  Huang, R-R. C.
;    APPLICANT:  Strader, C.D.
;    TITLE OF INVENTION:  Human Neurokinin-3 Receptor
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merck & Co., Inc.
;      STREET:  P.O. Box 2000
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

```
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/482,971
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/090,369
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thies, J. E.
;      REGISTRATION NUMBER:  P-35,382
;      REFERENCE/DOCKET NUMBER:  18685
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 594-3904
;      TELEFAX:  (908) 594-4720
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-482-971-8

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 29;
  Best Local Similarity   79.3%;  Pred. No. 7.3e+02;
  Matches   23;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTTTTTTTTTTTT 2184
              ||||    ||  ||||||||||||||||||
Db          1 TTTTGCGGCCGCTTTTTTTTTTTTTTTTT 29


RESULT 312
US-09-750-401-18
; Sequence 18, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 29
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-18

  Query Match             0.7%;  Score 19.4;  DB 1;  Length 29;
  Best Local Similarity   0.0%;  Pred. No. 7.3e+02;
  Matches    0;  Conservative   23;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTTTTTT 2183
              :::::::    ::::::: :::: :::::
Db          1 UUUUUUUUAAAUUUUUUUAUUUUCUUUUU 29


RESULT 313
US-08-014-943A-25
; Sequence 25, Application US/08014943A
; Patent No. 5545551
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  Cloning And Expression Of PUR Protein
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/014,943A
;      FILING DATE:  02)FEB)1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-033
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212 790-9090
;      TELEFAX:  212 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-014-943A-25

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||  ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 314
US-08-486-421-50
; Sequence 50, Application US/08486421
; Patent No. 5672479
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,421
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/470,911
;      FILING DATE:  06-JUN-1995
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  50:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-486-421-50

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||  ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 315
US-08-470-911-50
; Sequence 50, Application US/08470911
; Patent No. 5756684
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/470,911
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  50:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-470-911-50

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||  ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 316
US-08-735-381-1
; Sequence 1, Application US/08735381
; Patent No. 5853993
;  GENERAL INFORMATION:
;    APPLICANT:  Dellinger, Douglas J.
;    APPLICANT:  Dahm, SueAnn
;    APPLICANT:  Troll, Mark
;    TITLE OF INVENTION:  SIGNAL ENHANCEMENT METHOD AND KIT
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hewlett-Packard Company, Legal Dept.,
;      ADDRESSEE:  Intellectual Property
;      STREET:  1501 Page Mill Road, MS 4U-10
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304-1126
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/735,381
;      FILING DATE:  21-OCT-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10950427-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-857-4125
;      TELEFAX:  650-852-8063
;      TELEX:  348-461
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  mRNA
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-08-735-381-1

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||  ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 317
US-08-486-809-50
; Sequence 50, Application US/08486809
; Patent No. 5869622
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
```

```
;       COUNTRY:  U.S.A.
;       ZIP:  10036-2711
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/486,809
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/470,911
;       FILING DATE:  06-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Coruzzi, Laura A.
;       REGISTRATION NUMBER:  30,742
;       REFERENCE/DOCKET NUMBER:  6923-053
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212)-790-9090
;       TELEFAX:  (212) 869-9741/8864
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  50:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  24 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-486-809-50

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 318
US-09-183-619-7
; Sequence 7, Application US/09183619
; Patent No. 6103474
; GENERAL INFORMATION:
;  APPLICANT: DELLINGER, DOUGLAS J.
;  APPLICANT: DAHM, SUEANN C.
;  APPLICANT: ILSLEY, DIANE D.
;  APPLICANT: ACH, ROBERT A.
;  APPLICANT: TROLL, MARK A.
;  TITLE OF INVENTION: HYBRIDIZATION ASSAY SIGNAL ENHANCEMENT
;  FILE REFERENCE: 10981619-1
;  CURRENT APPLICATION NUMBER: US/09/183,619
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: 08/735,381
;  EARLIER FILING DATE: 1996-10-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 24
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: poly A-RNA target
;   OTHER INFORMATION: analyte
US-09-183-619-7

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 319
US-09-201-674-1
; Sequence 1, Application US/09201674
; Patent No. 6110682
;   GENERAL INFORMATION:
;       APPLICANT: Dellinger, Douglas J.
;                  Dahm, SueAnn
;                  Troll, Mark
;       TITLE OF INVENTION: SIGNAL ENHANCEMENT METHOD AND KIT
;       NUMBER OF SEQUENCES: 5
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Hewlett-Packard Company, Legal Dept.,
;                       Intellectual Property
;            STREET: 1501 Page Mill Road, MS 4U-10
;            CITY: Palo Alto
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94304-1126
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/201,674
;            FILING DATE: 30-No. 6110682-1998
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/735,381
;            FILING DATE: 21-OCT-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Choi, Wendy A.
;            REGISTRATION NUMBER: 36,697
;            REFERENCE/DOCKET NUMBER: 10950427-1
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 650-857-4125
;            TELEFAX: 650-852-8063
;            TELEX: 348-461
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 24 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: mRNA
;       HYPOTHETICAL: YES
;       ANTI-SENSE: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-201-674-1

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 320
US-09-536-936-11
; Sequence 11, Application US/09536936
; Patent No. 6346384
; GENERAL INFORMATION:
;  APPLICANT: Pollner, Reinhold
;  TITLE OF INVENTION: Real Time Monitoriing of PCR Using LOCI
;  FILE REFERENCE: BEH-7438
;  CURRENT APPLICATION NUMBER: US/09/536,936
;  CURRENT FILING DATE:  2001-06-11
;  NUMBER OF SEQ ID NOS: 11
```

```
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 11
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide attached to beads
US-09-536-936-11

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 321
US-09-025-639-4
; Sequence 4, Application US/09025639
; Patent No. 6365346
; GENERAL INFORMATION:
;  APPLICANT: Kurn, Nurith
;  APPLICANT:  Patel, Rajesh D.
;  TITLE OF INVENTION: Quantitative Determination of Nucleic
;  TITLE OF INVENTION:  Acid Amplification Products
;  FILE REFERENCE: BEH-7408
;  CURRENT APPLICATION NUMBER: US/09/025,639
;  CURRENT FILING DATE:  1998-02-18
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (1)...(24)
;   OTHER INFORMATION: Synthetic DNA Probe
US-09-025-639-4

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 322
US-09-333-237-4
; Sequence 4, Application US/09333237
; Patent No. 6406667
; GENERAL INFORMATION:
;  APPLICANT: Singh, Sharat
;  APPLICANT:  Ullman, Edwin F.
;  TITLE OF INVENTION: Chemiluminescent Compositions For Use In
;  TITLE OF INVENTION:  Detection Of Multiple Analytes
;  FILE REFERENCE: BEH-7383A
;  CURRENT APPLICATION NUMBER: US/09/333,237
;  CURRENT FILING DATE:  1999-06-15
;  PRIOR APPLICATION NUMBER: 09/025,624
;  PRIOR FILING DATE: 1998-02-18
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: detection probe bound to sensitizer particle
US-09-333-237-4

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 323
US-09-732-067-1
; Sequence 1, Application US/09732067
; Patent No. 6457426
; GENERAL INFORMATION:
;  APPLICANT: Ullman, Edwin
;  APPLICANT:  Singh, Rajendra
;  APPLICANT:  DeKeczer, Steve
;  APPLICANT:  Davalian, Dariush
;  TITLE OF INVENTION: Amplified Luminescent Homogeneous
;  TITLE OF INVENTION:  Immunoassay
;  FILE REFERENCE: BEH-7385
;  CURRENT APPLICATION NUMBER: US/09/732,067
;  CURRENT FILING DATE:  2000-12-07
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: hybridization oligo
US-09-732-067-1

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 324
US-10-043-415-4
; Sequence 4, Application US/10043415
; Patent No. 6573054
; GENERAL INFORMATION:
;  APPLICANT: Kurn, Nurith
;  APPLICANT:  Patel, Rajesh D.
;  TITLE OF INVENTION: Quantitative Determination of Nucleic
;  TITLE OF INVENTION:  Acid Amplification Products
;  FILE REFERENCE: BEH-7408
;  CURRENT APPLICATION NUMBER: US/10/043,415
;  CURRENT FILING DATE:  2002-01-10
;  PRIOR APPLICATION NUMBER: US/09/025,639
;  PRIOR FILING DATE: 1998-02-18
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_binding
;   LOCATION: (1)...(24)
;   OTHER INFORMATION: Synthetic DNA Probe
US-10-043-415-4

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 325
US-09-854-317-1
; Sequence 1, Application US/09854317
; Patent No. 6582938
; GENERAL INFORMATION:
;  APPLICANT: Su, Xing
;  APPLICANT:  Dong, Helin
;  APPLICANT:  Ryder, Thomas B.
;  TITLE OF INVENTION: Amplification of Nucleic Acids
;  FILE REFERENCE: 3234.2
;  CURRENT APPLICATION NUMBER: US/09/854,317
;  CURRENT FILING DATE:  2001-05-11
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-854-317-1

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAAAAAAA 24


RESULT 326
US-08-906-156A-82
; Sequence 82, Application US/08906156A
; Patent No. 6287854
;  GENERAL INFORMATION:
;    APPLICANT:  SPURR, NIGEL K
;    APPLICANT:  GRAY, IAN C
;    APPLICANT:  STEWART, LORNA M
;    TITLE OF INVENTION:  DIAGNOSIS OF SUSCEPTIBILITY TO CANCER
;    TITLE OF INVENTION:  AND TREATMENT THEREOF
;    NUMBER OF SEQUENCES:  94
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/906,156A
;      FILING DATE:  05-AUG-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/042,655
;      FILING DATE:  02-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/033,147
;      FILING DATE:  13-DEC-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/005,840
;      FILING DATE:  23-OCT-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/96GB/02588
;      FILING DATE:  22-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1090-14
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  82:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "SYNTHETIC OLIGO"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-906-156A-82

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 24;
  Best Local Similarity   87.5%;  Pred. No. 4.3e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTTT 2185
              |||   ||||||||||||||||||
Db          1 CTCGAGTTTTTTTTTTTTTTTT 24


RESULT 327
US-08-341-148-2/c
; Sequence 2, Application US/08341148
; Patent No. 5610287
;  GENERAL INFORMATION:
;    APPLICANT:  NIKIFOROV, THEO
;    APPLICANT:  KNAPP, MICHAEL
;    TITLE OF INVENTION:  METHOD FOR THE IMMOBILIZATION OF NUCLEIC
;    TITLE OF INVENTION:  ACID MOLECULES
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWREY & SIMON
;      STREET:  1299 PENNSYLVANIA AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/341,148
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  AUERBACH, JEFFREY I
;      REGISTRATION NUMBER:  32,680
;      REFERENCE/DOCKET NUMBER:  639-105
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 383-7451
;      TELEFAX:  (202) 383-6610
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
```

```
;    ORIGINAL SOURCE:
;      ORGANISM:  Equus caballus
;    IMMEDIATE SOURCE:
;      CLONE:  Biotin-T25
US-08-341-148-2

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 25;
  Best Local Similarity   87.5%;  Pred. No. 4.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||||
Db         25 AAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 328
US-08-460-130-2/c
; Sequence 2, Application US/08460130
; Patent No. 5734020
;  GENERAL INFORMATION:
;    APPLICANT:  Yuan N. Wong
;    TITLE OF INVENTION:  Production and Use
;    TITLE OF INVENTION:  of Magnetic Porous Inorganic Materials
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CPG, Inc.
;      STREET:  3 Borinski Road
;      CITY:  Lincoln Park
;      STATE:  New Jersey
;      COUNTRY:  United States of America
;      ZIP:  07035
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3M Double Density
;      MEDIUM TYPE:  5 1/4" diskette
;      COMPUTER:  Wang PC
;      OPERATING SYSTEM:  MS DOS Version
;      OPERATING SYSTEM:  3.20
;      SOFTWARE:  WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/460,130
;      FILING DATE:  2 June 1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/307,307
;      FILING DATE:  16 September 1994
;      APPLICATION NUMBER:  07/794,910
;      FILING DATE:  20 No. 5734020ember 1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Irons, Edward S.
;      REGISTRATION NUMBER:  16,541
;      REFERENCE/DOCKET NUMBER:  Wong
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 626-3564
;      TELEFAX:  (202) 783-6031
;      TELEX:  No. 5734020e
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25
;      TYPE:  Nucleotide
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Unknown
US-08-460-130-2

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 25;
  Best Local Similarity   87.5%;  Pred. No. 4.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||||
Db         25 AAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 329
US-08-969-813-1/c
; Sequence 1, Application US/08969813
; Patent No. 6060246
;  GENERAL INFORMATION:
;    APPLICANT:  Summerton, James E.
;    APPLICANT:  Weller, Dwight D.
;    APPLICANT:  Wages, John M.
;    TITLE OF INVENTION:  Reagent and Method for Isolation
;    TITLE OF INVENTION:  and Detection of Selected Nucleic Acid Sequences
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dehlinger & Associates
;      STREET:  P.O. Box 60850
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  US
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/969,813
;      FILING DATE:  13-NOV-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/030,963
;      FILING DATE:  15-NOV-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gorthey, LeeAnn
;      REGISTRATION NUMBER:  37,337
;      REFERENCE/DOCKET NUMBER:  0450-0013.30
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-324-0880
;      TELEFAX:  650-324-0960
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-969-813-1

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 25;
  Best Local Similarity   87.5%;  Pred. No. 4.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||||
Db         25 AAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 330
US-09-183-619-5/c
; Sequence 5, Application US/09183619
; Patent No. 6103474
; GENERAL INFORMATION:
;  APPLICANT: DELLINGER, DOUGLAS J.
;  APPLICANT: DAHM, SUEANN C.
;  APPLICANT: ILSLEY, DIANE D.
;  APPLICANT: ACH, ROBERT A.
;  APPLICANT: TROLL, MARK A.
;  TITLE OF INVENTION: HYBRIDIZATION ASSAY SIGNAL ENHANCEMENT
;  FILE REFERENCE: 10981619-1
;  CURRENT APPLICATION NUMBER: US/09/183,619
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: 08/735,381
;  EARLIER FILING DATE: 1996-10-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
```

```
;   LENGTH: 25
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Reporter probe
US-09-183-619-5

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 25;
  Best Local Similarity   87.5%;  Pred. No. 4.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||||
Db         25 AAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 331
US-09-282-734-23/c
; Sequence 23, Application US/09282734A
; Patent No. 6537749
; GENERAL INFORMATION:
;  APPLICANT: Robert G. Kuimelis et al.
;  TITLE OF INVENTION: ADDRESSABLE PROTEIN ARRAYS
;  FILE REFERENCE: 50036/009002
;  CURRENT APPLICATION NUMBER: US/09/282,734A
;  CURRENT FILING DATE: 1999-03-03
;  EARLIER APPLICATION NUMBER: 60/080,686
;  EARLIER FILING DATE: 1998-04-03
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 23
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Capture probe sequence
US-09-282-734-23

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 25;
  Best Local Similarity   87.5%;  Pred. No. 4.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||||
Db         25 AAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 332
PCT-US94-14096-2/c
; Sequence 2, Application PC/TUS9414096
;  GENERAL INFORMATION:
;    APPLICANT:  NIKIFOROV, THEO
;    APPLICANT:  KNAPP, MICHAEL
;    TITLE OF INVENTION:  METHOD FOR THE IMMOBILIZATION OF NUCLEIC
;    TITLE OF INVENTION:  ACID MOLECULES
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWREY & SIMON
;      STREET:  1299 PENNSYLVANIA AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/14096
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  AUERBACH, JEFFREY I
;      REGISTRATION NUMBER:  32,680
;      REFERENCE/DOCKET NUMBER:  639-105
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 383-7451
;      TELEFAX:  (202) 383-6610
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Equus caballus
;    IMMEDIATE SOURCE:
;      CLONE:  Biotin-T25
PCT-US94-14096-2

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 25;
  Best Local Similarity   87.5%;  Pred. No. 4.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||||||||||||||||
Db         25 AAAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 333
US-08-113-646A-42
; Sequence 42, Application US/08113646A
; Patent No. 5578468
;  GENERAL INFORMATION:
;    APPLICANT:  PICKUP, David J.
;    APPLICANT:  PATEL, Dhavalkumar
;    APPLICANT:  ANTCZAK, James B.
;    TITLE OF INVENTION:  SITE-SPECIFIC RNA CLEAVAGE
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/113,646A
;      FILING DATE:  31-AUG-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/084,406
;      FILING DATE:  10-AUG-1987
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  WILSON, MARY J.
;      REGISTRATION NUMBER:  32,955
;      REFERENCE/DOCKET NUMBER:  1579-20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
```

```
;    MOLECULE TYPE:  RNA (genomic)
US-08-113-646A-42

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 25;
  Best Local Similarity   87.5%;  Pred. No. 4.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          2 AAAACAAAAAAAAAAAAAAAAAAA 25


RESULT 334
US-08-621-914A-3/c
; Sequence 3, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-3

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 26;
  Best Local Similarity   87.5%;  Pred. No. 5.6e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db         25 AAAAAAAAAAAAAAAAAAAAAAAA 2


RESULT 335
US-10-003-998A-7
; Sequence 7, Application US/10003998A
; Patent No. 6664064
; GENERAL INFORMATION:
;  APPLICANT: Roche Diagnostics GmbH
;  TITLE OF INVENTION: Method for melting curve analysis of repetitive PCR
;  TITLE OF INVENTION:  products
;  FILE REFERENCE: 5438/00/EP
;  CURRENT APPLICATION NUMBER: US/10/003,998A
;  CURRENT FILING DATE:  2001-11-14
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-003-998A-7

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 29;
  Best Local Similarity   87.5%;  Pred. No. 7.9e+02;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||||||||||||||||
Db          2 AAAAAAAAAAAAAAAAAAAAAAAA 25


RESULT 336
US-09-648-040-4
; Sequence 4, Application US/09648040
; Patent No. 6436665
; GENERAL INFORMATION:
;  APPLICANT: Robert G. Kuimelis
;  TITLE OF INVENTION: METHODS FOR CODING AND SORTING IN VITRO
;  TITLE OF INVENTION:  TRANSLATED PROTEINS
;  FILE REFERENCE: 50036/032002
;  CURRENT APPLICATION NUMBER: US/09/648,040
;  CURRENT FILING DATE:  2000-08-25
;  PRIOR APPLICATION NUMBER: US 60/151,261
;  PRIOR FILING DATE: 1999-08-27
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Encoding molecule
;   NAME/KEY: misc_feature
;   LOCATION: 10
;   OTHER INFORMATION: n at position 10 can be a, t, c, or g.
US-09-648-040-4

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 30;
  Best Local Similarity   84.0%;  Pred. No. 8.7e+02;
  Matches   21;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAA 2803
              | ||   ||||||||||||||||||||
Db          4 AAAAAANAAAAAAAAAAAAAAAAAA 28


RESULT 337
PCT-US92-10792-1/c
; Sequence 1, Application PC/TUS9210792
;  GENERAL INFORMATION:
;    APPLICANT:  Jayasena, Sumedha D.
;    APPLICANT:  Johnston, Brian H.
;    TITLE OF INVENTION:  Triple Helix Formation at
;    TITLE OF INVENTION:  (PuNPyN)-(PuNPyN) Tracts
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SRI International
;      STREET:  333 Ravenswood Avenue
;      CITY:  Menlo Park
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

```
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/10792
;      FILING DATE:  19921211
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/826,934
;      FILING DATE:  21-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/808,452
;      FILING DATE:  13-DEC-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fabian, Gary R.
;      REGISTRATION NUMBER:  33,875
;      REFERENCE/DOCKET NUMBER:  P-3141
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 859-4550
;      TELEFAX:  (415) 859-3880
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  OLIGONUCLEOTIDE I, FIGURE 8
PCT-US92-10792-1

  Query Match             0.7%;  Score 19.2;  DB 1;  Length 32;
  Best Local Similarity   87.5%;  Pred. No. 1e+03;
  Matches   21;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||  ||||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAAAAAAAA 9


RESULT 338
US-08-756-728A-1
; Sequence 1, Application US/08756728A
; Patent No. 5821354
;  GENERAL INFORMATION:
;    APPLICANT:  Leclerc, Guy
;    APPLICANT:  Martel, Remi
;    TITLE OF INVENTION:  RADIOLABELED DNA OLIGONUCLEOTIDE, METHOD
;    TITLE OF INVENTION:  OF PREPARATION AND THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klauber & Jackson
;      STREET:  411 Hackensack Avenue, 4th Floor
;      CITY:  Hackensack
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/756,728A
;      FILING DATE:  26-NOV-1996
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackson Esq., David A.
;      REGISTRATION NUMBER:  26,742
;      REFERENCE/DOCKET NUMBER:  1398-1-001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-487-5800
;      TELEFAX:  201-343-1684
;      TELEX:  133521
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "PRIMER"
;    HYPOTHETICAL:  NO
US-08-756-728A-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 339
US-08-756-728A-1/c
; Sequence 1, Application US/08756728A
; Patent No. 5821354
;  GENERAL INFORMATION:
;    APPLICANT:  Leclerc, Guy
;    APPLICANT:  Martel, Remi
;    TITLE OF INVENTION:  RADIOLABELED DNA OLIGONUCLEOTIDE, METHOD
;    TITLE OF INVENTION:  OF PREPARATION AND THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klauber & Jackson
;      STREET:  411 Hackensack Avenue, 4th Floor
;      CITY:  Hackensack
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/756,728A
;      FILING DATE:  26-NOV-1996
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackson Esq., David A.
;      REGISTRATION NUMBER:  26,742
;      REFERENCE/DOCKET NUMBER:  1398-1-001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-487-5800
;      TELEFAX:  201-343-1684
;      TELEX:  133521
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "PRIMER"
;    HYPOTHETICAL:  NO
US-08-756-728A-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1
```

```
RESULT 340
US-08-469-852A-2
; Sequence 2, Application US/08469852A
; Patent No. 5874213
;  GENERAL INFORMATION:
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5874213ris LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,852A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/295,509
;      FILING DATE:  24-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Michael P. Straher
;      REGISTRATION NUMBER:  38,325
;      REFERENCE/DOCKET NUMBER:  ISIS-2015
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-469-852A-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 341
US-08-469-852A-2/c
; Sequence 2, Application US/08469852A
; Patent No. 5874213
;  GENERAL INFORMATION:
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5874213ris LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,852A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/295,509
;      FILING DATE:  24-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Michael P. Straher
;      REGISTRATION NUMBER:  38,325
;      REFERENCE/DOCKET NUMBER:  ISIS-2015
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-469-852A-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 342
US-08-271-882B-16
; Sequence 16, Application US/08271882B
; Patent No. 6017696
;  GENERAL INFORMATION:
;    APPLICANT:  Michael J. Heller
;    APPLICANT:  Eugene Tu
;    APPLICANT:  Glen A. Evans
;    APPLICANT:  Ronald G. Sosnowski
;    TITLE OF INVENTION:  SELF-ADDRESSABLE
;    TITLE OF INVENTION:  SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND
;    TITLE OF INVENTION:  DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS
;    TITLE OF INVENTION:  AND DIAGNOSTICS
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,882B
;      FILING DATE:  July 7, 1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/146,504
```

```
;      FILING DATE:  No. 6017696ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  207/263
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic
;      TYPE:  acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-271-882B-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 343
US-08-271-882B-16/c
; Sequence 16, Application US/08271882B
; Patent No. 6017696
;  GENERAL INFORMATION:
;    APPLICANT:  Michael J. Heller
;    APPLICANT:  Eugene Tu
;    APPLICANT:  Glen A. Evans
;    APPLICANT:  Ronald G. Sosnowski
;    TITLE OF INVENTION:  SELF-ADDRESSABLE
;    TITLE OF INVENTION:  SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND
;    TITLE OF INVENTION:  DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS
;    TITLE OF INVENTION:  AND DIAGNOSTICS
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,882B
;      FILING DATE:  July 7, 1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 6017696ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  207/263
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic
;      TYPE:  acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-271-882B-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 344
US-08-295-509B-2
; Sequence 2, Application US/08295509B
; Patent No. 6045995
;  GENERAL INFORMATION:
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 6045995ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/295,509B
;      FILING DATE:  24-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Michael P. Straher
;      REGISTRATION NUMBER:  38,325
;      REFERENCE/DOCKET NUMBER:  ISIS-1395
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-295-509B-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 345
US-08-295-509B-2/c
; Sequence 2, Application US/08295509B
; Patent No. 6045995
;  GENERAL INFORMATION:
```

```
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 6045995ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/295,509B
;      FILING DATE:  24-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Michael P. Straher
;      REGISTRATION NUMBER:  38,325
;      REFERENCE/DOCKET NUMBER:  ISIS-1395
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-295-509B-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 346
US-09-234-237-1
; Sequence 1, Application US/09234237
; Patent No. 6127124
; GENERAL INFORMATION:
;  APPLICANT: Leeds, Janet M
;  APPLICANT: Cummins, Lendell L
;  TITLE OF INVENTION: Fluorescence Based Nuclease Assay
;  FILE REFERENCE: ISIS3308
;  CURRENT APPLICATION NUMBER: US/09/234,237
;  CURRENT FILING DATE: 1999-01-20
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6127124el
;   OTHER INFORMATION: Sequence
US-09-234-237-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 347
US-09-234-237-1/c
; Sequence 1, Application US/09234237
; Patent No. 6127124
; GENERAL INFORMATION:
;  APPLICANT: Leeds, Janet M
;  APPLICANT: Cummins, Lendell L
;  TITLE OF INVENTION: Fluorescence Based Nuclease Assay
;  FILE REFERENCE: ISIS3308
;  CURRENT APPLICATION NUMBER: US/09/234,237
;  CURRENT FILING DATE: 1999-01-20
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6127124el
;   OTHER INFORMATION: Sequence
US-09-234-237-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 348
US-09-016-520-20
; Sequence 20, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-aminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-20

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19
```

```
RESULT 349
US-09-016-520-20/c
; Sequence 20, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-aminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-20

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 350
US-09-016-520-21
; Sequence 21, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-21

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
                ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 351
US-09-016-520-21/c
; Sequence 21, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-21

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 352
US-09-016-520-22
; Sequence 22, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methoxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-22

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
```

```
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 353
US-09-016-520-22/c
; Sequence 22, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methoxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-22

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 354
US-09-016-520-23
; Sequence 23, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 355
US-09-016-520-23/c
; Sequence 23, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 356
US-09-016-520-24
; Sequence 24, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
;   FEATURE:
```

```
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-24

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 357
US-09-016-520-24/c
; Sequence 24, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-24

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 358
US-09-016-520-25
; Sequence 25, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-O-propyl
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 359
US-09-016-520-25/c
; Sequence 25, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-O-propyl
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 360
US-09-016-520-26
; Sequence 26, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
```

```
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 361
US-09-016-520-26/c
; Sequence 26, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 362
US-09-016-520-27
; Sequence 27, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 363
US-09-016-520-27/c
; Sequence 27, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 364
US-09-016-520-31
; Sequence 31, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
```

```
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-31

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 365
US-09-016-520-31/c
; Sequence 31, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-31

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 366
US-09-016-520-33
; Sequence 33, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 367
US-09-016-520-33/c
; Sequence 33, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 368
US-09-016-520-34
; Sequence 34, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
```

```
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 369
US-09-016-520-34/c
; Sequence 34, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-016-520-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 370
US-09-016-520-44
; Sequence 44, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
US-09-016-520-44

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 371
US-09-016-520-44/c
; Sequence 44, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
US-09-016-520-44

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 372
```

```
US-09-378-568-4
; Sequence 4, Application US/09378568
; Patent No. 6147200
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT: Fraser, Allister S
;  APPLICANT: Prakash, Thazha P
;  TITLE OF INVENTION: 2'-O-acetamido Modified Monomers and Oligomers
;  FILE REFERENCE: ISIS4071
;  CURRENT APPLICATION NUMBER: US/09/378,568
;  CURRENT FILING DATE: 1999-08-19
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: sequence
US-09-378-568-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 373
US-09-378-568-4/c
; Sequence 4, Application US/09378568
; Patent No. 6147200
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT: Fraser, Allister S
;  APPLICANT: Prakash, Thazha P
;  TITLE OF INVENTION: 2'-O-acetamido Modified Monomers and Oligomers
;  FILE REFERENCE: ISIS4071
;  CURRENT APPLICATION NUMBER: US/09/378,568
;  CURRENT FILING DATE: 1999-08-19
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: sequence
US-09-378-568-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 374
US-09-130-973-20
; Sequence 20, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5 methyl, 2'-aminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-20

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 375
US-09-130-973-20/c
; Sequence 20, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5 methyl, 2'-aminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-20

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 376
US-09-130-973-21
; Sequence 21, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
```

```
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5 methyl, 2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-21

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 377
US-09-130-973-21/c
; Sequence 21, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5 methyl, 2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-21

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 378
US-09-130-973-22
; Sequence 22, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-O-methoxyethyl (MOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-22

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 379
US-09-130-973-22/c
; Sequence 22, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-O-methoxyethyl (MOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-22

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 380
US-09-130-973-23
; Sequence 23, Application US/09130973
```

```
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 23
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-O-dimethylaminooxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 381
US-09-130-973-23/c
; Sequence 23, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 23
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-O-dimethylaminooxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 382
US-09-130-973-24
; Sequence 24, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 24
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-O-methoxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-24

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 383
US-09-130-973-24/c
; Sequence 24, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 24
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-O-methoxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-24

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 384
```

```
US-09-130-973-25
; Sequence 25, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-O-propyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 385
US-09-130-973-25/c
; Sequence 25, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-O-propyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1
```

```
RESULT 386
US-09-130-973-26
; Sequence 26, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5 methyl, 2'-dimethylaminooxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 387
US-09-130-973-26/c
; Sequence 26, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5 methyl, 2'-dimethylaminooxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1
```

```
RESULT 388
US-09-130-973-27
; Sequence 27, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 27
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5 methyl, 2'-O-methoxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 389
US-09-130-973-27/c
; Sequence 27, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 27
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5 methyl, 2'-O-methoxyethyl
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 390
US-09-130-973-31
; Sequence 31, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 31
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-31

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 391
US-09-130-973-31/c
; Sequence 31, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 31
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-31

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
```

```
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 392
US-09-130-973-33
; Sequence 33, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 393
US-09-130-973-33/c
; Sequence 33, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 394
US-09-130-973-34
; Sequence 34, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 395
US-09-130-973-34/c
; Sequence 34, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-dimethylaminooxyethyl thymidine (T-2'-DMAOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 396
US-09-130-973-44
; Sequence 44, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-O-methyleneiminooxyethyl thymidine
US-09-130-973-44

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 397
US-09-130-973-44/c
; Sequence 44, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-O-methyleneiminooxyethyl thymidine
US-09-130-973-44

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 398
US-09-477-902-20
; Sequence 20, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-aminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-20

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 399
US-09-477-902-20/c
; Sequence 20, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-aminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
```

US-09-477-902-20

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 400
US-09-477-902-21
; Sequence 21, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/477,902
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/037,143
; PRIOR FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (15)..(18)
; OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-477-902-21

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 401
US-09-477-902-21/c
; Sequence 21, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/477,902
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/037,143
; PRIOR FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (15)..(18)
; OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-477-902-21

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 402
US-09-477-902-22
; Sequence 22, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/477,902
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/037,143
; PRIOR FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (15)..(18)
; OTHER INFORMATION: 2'-methoxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-477-902-22

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 403
US-09-477-902-22/c
; Sequence 22, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/477,902
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/037,143
; PRIOR FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 22
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (15)..(18)
; OTHER INFORMATION: 2'-methoxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-477-902-22

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 404
US-09-477-902-23
; Sequence 23, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/477,902
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/037,143
; PRIOR FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-477-902-23

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 405
US-09-477-902-23/c
; Sequence 23, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/477,902
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/037,143
; PRIOR FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 23
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-477-902-23

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 406
US-09-477-902-24
; Sequence 24, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew
; TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
; FILE REFERENCE: ISIS2824
; CURRENT APPLICATION NUMBER: US/09/477,902
; CURRENT FILING DATE: 2000-01-05
; PRIOR APPLICATION NUMBER: 09/016,520
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/037,143
; PRIOR FILING DATE: 1997-02-14
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-477-902-24

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 407
US-09-477-902-24/c
; Sequence 24, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Kawasaki, Andrew

```
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 24
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-24

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 408
US-09-477-902-25
; Sequence 25, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-O-propyl
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 409
US-09-477-902-25/c
; Sequence 25, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-O-propyl
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 410
US-09-477-902-26
; Sequence 26, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19
```

```
RESULT 411
US-09-477-902-26/c
; Sequence 26, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 412
US-09-477-902-27
; Sequence 27, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 27
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 413
US-09-477-902-27/c
; Sequence 27, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 27
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 414
US-09-477-902-31
; Sequence 31, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 31
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
```

```
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-477-902-31

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 415
US-09-477-902-31/c
; Sequence 31, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 31
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-477-902-31

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 416
US-09-477-902-33
; Sequence 33, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-477-902-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 417
US-09-477-902-33/c
; Sequence 33, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-477-902-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 418
US-09-477-902-34
; Sequence 34, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
```

```
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-477-902-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 419
US-09-477-902-34/c
; Sequence 34, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 34
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-09-477-902-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 420
US-09-477-902-44
; Sequence 44, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
US-09-477-902-44

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 421
US-09-477-902-44/c
; Sequence 44, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 44
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
US-09-477-902-44

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 422
US-08-726-278-16
; Sequence 16, Application US/08726278
; Patent No. 6238624
; GENERAL INFORMATION:
;  APPLICANT:  Heller, Michael J.
;  APPLICANT:  Tu, Eugene
```

```
;  APPLICANT:  Evans, Glen A.
;  APPLICANT:  Sosnowski, Ronald G.
;  TITLE OF INVENTION:  METHODS FOR ELECTRONIC TRANSPORT IN MOLECULAR
;  TITLE OF INVENTION:  BIOLOGICAL ANALYSIS AND DIAGNOSTICS
;  FILE REFERENCE:  DAVID B. MURPHY/NANOGEN:  222-210
;  CURRENT APPLICATION NUMBER: US/08/726,278
;  CURRENT FILING DATE:  1996-10-04
;  PRIOR APPLICATION NUMBER:  08/271,882
;  PRIOR FILING DATE:  1994-07-07
;  NUMBER OF SEQ ID NOS:  44
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Sequences for
;   OTHER INFORMATION: Labeling
US-08-726-278-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 423
US-08-726-278-16/c
; Sequence 16, Application US/08726278
; Patent No. 6238624
; GENERAL INFORMATION:
;  APPLICANT:  Heller, Michael J.
;  APPLICANT:  Tu, Eugene
;  APPLICANT:  Evans, Glen A.
;  APPLICANT:  Sosnowski, Ronald G.
;  TITLE OF INVENTION:  METHODS FOR ELECTRONIC TRANSPORT IN MOLECULAR
;  TITLE OF INVENTION:  BIOLOGICAL ANALYSIS AND DIAGNOSTICS
;  FILE REFERENCE:  DAVID B. MURPHY/NANOGEN:  222-210
;  CURRENT APPLICATION NUMBER: US/08/726,278
;  CURRENT FILING DATE:  1996-10-04
;  PRIOR APPLICATION NUMBER:  08/271,882
;  PRIOR FILING DATE:  1994-07-07
;  NUMBER OF SEQ ID NOS:  44
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Sequences for
;   OTHER INFORMATION: Labeling
US-08-726-278-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 424
US-09-338-907-515
; Sequence 515, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 515
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 4-4-187.mis2
US-09-338-907-515

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 425
US-09-338-907-515/c
; Sequence 515, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 515
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 4-4-187.mis2
US-09-338-907-515

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 426
```

```
US-09-123-108-6
; Sequence 6, Application US/09123108
; Patent No. 6271358
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Mohan, Venkatraman
;  APPLICANT: Boswell, Herb
;  TITLE OF INVENTION: RNA TARGETED 2'-MODIFIED OLIGONUCLEOTIDES THAT ARE
;  TITLE OF INVENTION: CONFORMATIONALLY PREORGANIZED
;  FILE REFERENCE: ISIS-3147 sequence listing
;  CURRENT APPLICATION NUMBER: US/09/123,108
;  CURRENT FILING DATE: 1998-07-27
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6271358el sequence
US-09-123-108-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 427
US-09-123-108-6/c
; Sequence 6, Application US/09123108
; Patent No. 6271358
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Mohan, Venkatraman
;  APPLICANT: Boswell, Herb
;  TITLE OF INVENTION: RNA TARGETED 2'-MODIFIED OLIGONUCLEOTIDES THAT ARE
;  TITLE OF INVENTION: CONFORMATIONALLY PREORGANIZED
;  FILE REFERENCE: ISIS-3147 sequence listing
;  CURRENT APPLICATION NUMBER: US/09/123,108
;  CURRENT FILING DATE: 1998-07-27
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6271358el sequence
US-09-123-108-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 428
US-09-378-665A-5
; Sequence 5, Application US/09378665A
; Patent No. 6277982
; GENERAL INFORMATION:
;  APPLICANT:  Fraser, Allister S.
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Jung, Michael E.
;  APPLICANT:  Kawasaki, Andrew M.
;  TITLE OF INVENTION:  Alkylation of Alcohols, Amines, Thiols and Their
;  TITLE OF INVENTION:  Derivatives by Cyclic Sulfate Intermediates
;  FILE REFERENCE:  ISIS4072
;  CURRENT APPLICATION NUMBER: US/09/378,665A
;  CURRENT FILING DATE:  1999-08-20
;  NUMBER OF SEQ ID NOS:  27
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6277982el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-modified T
US-09-378-665A-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 429
US-09-378-665A-5/c
; Sequence 5, Application US/09378665A
; Patent No. 6277982
; GENERAL INFORMATION:
;  APPLICANT:  Fraser, Allister S.
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Jung, Michael E.
;  APPLICANT:  Kawasaki, Andrew M.
;  TITLE OF INVENTION:  Alkylation of Alcohols, Amines, Thiols and Their
;  TITLE OF INVENTION:  Derivatives by Cyclic Sulfate Intermediates
;  FILE REFERENCE:  ISIS4072
;  CURRENT APPLICATION NUMBER: US/09/378,665A
;  CURRENT FILING DATE:  1999-08-20
;  NUMBER OF SEQ ID NOS:  27
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6277982el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-modified T
US-09-378-665A-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 430
US-09-202-294-4
; Sequence 4, Application US/09202294
; Patent No. 6329519
; GENERAL INFORMATION:
;  APPLICANT: Collingwood, Stephen P.
;  APPLICANT: Moser, Heinz E.
;  APPLICANT: Altmann, Karl-Heinz
;  APPLICANT: Douglas, Mark E.
```

```
;  TITLE OF INVENTION: Intermediates for oligonucleotides
;  FILE REFERENCE: 4-20900/A/MA2134/PCT
;  CURRENT APPLICATION NUMBER: US/09/202,294
;  CURRENT FILING DATE: 1999-03-15
;  EARLIER APPLICATION NUMBER: PCT/GB97/01490
;  EARLIER FILING DATE: 1997-06-03
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
US-09-202-294-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 431
US-09-202-294-4/c
; Sequence 4, Application US/09202294
; Patent No. 6329519
; GENERAL INFORMATION:
;  APPLICANT: Collingwood, Stephen P.
;  APPLICANT: Moser, Heinz E.
;  APPLICANT: Altmann, Karl-Heinz
;  APPLICANT: Douglas, Mark E.
;  TITLE OF INVENTION: Intermediates for oligonucleotides
;  FILE REFERENCE: 4-20900/A/MA2134/PCT
;  CURRENT APPLICATION NUMBER: US/09/202,294
;  CURRENT FILING DATE: 1999-03-15
;  EARLIER APPLICATION NUMBER: PCT/GB97/01490
;  EARLIER FILING DATE: 1997-06-03
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
US-09-202-294-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 432
US-09-218-207-515
; Sequence 515, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 515
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 4-4-187.mis2
US-09-218-207-515

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 433
US-09-218-207-515/c
; Sequence 515, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 515
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 4-4-187.mis2
US-09-218-207-515

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 434
US-09-303-586-15
; Sequence 15, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational (
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
```

```
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 3' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 3' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 3' - O-MOE linkage
US-09-303-586-15

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 19


RESULT 435
US-09-303-586-15/c
; Sequence 15, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 3' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 3' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 3' - O-MOE linkage
US-09-303-586-15

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAA 1


RESULT 436
US-09-303-586-16
; Sequence 16, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational (
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 2' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 2' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 2' - O-MOE linkage
US-09-303-586-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   94.7%;  Pred. No. 2.1e+02;
  Matches   18;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||:
Db          1 TTTTTTTTTTTTTTTTTU 19


RESULT 437
US-09-303-586-16/c
; Sequence 16, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 2' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 2' - O-MOE linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 2' - O-MOE linkage
US-09-303-586-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||
```

```
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 438
US-09-303-586-17
; Sequence 17, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(16)
;   OTHER INFORMATION: sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 3' - O-MOE linkage; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 3' - O-MOE linkage; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 3' - O-MOE linkage; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: 3' - O-MOE linkage
US-09-303-586-17

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 439
US-09-303-586-17/c
; Sequence 17, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(16)
;   OTHER INFORMATION: sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 3' - O-MOE linkage; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 3' - O-MOE linkage; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 3' - O-MOE linkage; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: 3' - O-MOE linkage
US-09-303-586-17

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 440
US-09-303-586-18
; Sequence 18, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(16)
;   OTHER INFORMATION: sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 2' - O-MOE; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 2' - O-MOE; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 2' - O-MOE; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: 2' - O-MOE
US-09-303-586-18

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   94.7%;  Pred. No. 2.1e+02;
  Matches   18;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||:
Db          1 TTTTTTTTTTTTTTTTTTU 19


RESULT 441
US-09-303-586-18/c
; Sequence 18, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
```

```
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(16)
;   OTHER INFORMATION: sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 2' - O-MOE; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 2' - O-MOE; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 2' - O-MOE; sub O linkage
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: 2' - O-MOE
US-09-303-586-18

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 442
US-09-303-586-26
; Sequence 26, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 2'-modified T linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 2'-modified T linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 2'-modified T linkage
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: 2'-modified T linkage
US-09-303-586-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 443
US-09-303-586-26/c
; Sequence 26, Application US/09303586
; Patent No. 6369209
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Oligonucleotides Having A DNA Form And B-DNA Form Confirmational C
;  FILE REFERENCE: ISIS3310
;  CURRENT APPLICATION NUMBER: US/09/303,586
;  CURRENT FILING DATE:  1999-05-03
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(17)
;   OTHER INFORMATION: 2'-modified T linkage
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(18)
;   OTHER INFORMATION: 2'-modified T linkage
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(19)
;   OTHER INFORMATION: 2'-modified T linkage
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: 2'-modified T linkage
US-09-303-586-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 444
US-09-227-782-1
; Sequence 1, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
```

```
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl- 2'- aminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 445
US-09-227-782-1/c
; Sequence 1, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl- 2'- aminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 446
US-09-227-782-2
; Sequence 2, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5- methyl- 2'- dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 447
US-09-227-782-2/c
; Sequence 2, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5- methyl- 2'- dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 448
US-09-227-782-3
; Sequence 3, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

; NAME/KEY: misc_feature
; LOCATION: (15)..(18)
; OTHER INFORMATION: 2'-methoxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-3

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
 ||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 449
US-09-227-782-3/c
; Sequence 3, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (15)..(18)
; OTHER INFORMATION: 2'-methoxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-3

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
 ||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 450
US-09-227-782-4
; Sequence 4, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 5- methyl- 2'- dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-4

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
 ||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 451
US-09-227-782-4/c
; Sequence 4, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 5- methyl- 2'- dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-4

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
 ||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 452
US-09-227-782-5
; Sequence 5, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)

```
;   OTHER INFORMATION: 5- methyl- 2'-methoxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 453
US-09-227-782-5/c
; Sequence 5, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5- methyl- 2'-methoxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 454
US-09-227-782-6
; Sequence 6, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5- methyl- 2'-O-propyl
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 455
US-09-227-782-6/c
; Sequence 6, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5- methyl- 2'-O-propyl
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 456
US-09-227-782-7
; Sequence 7, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (18)
;   OTHER INFORMATION: 5- methyl- 2'- dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
```

US-09-227-782-7

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 457
US-09-227-782-7/c
; Sequence 7, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (18)
; OTHER INFORMATION: 5- methyl- 2'- dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-7

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 458
US-09-227-782-8
; Sequence 8, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (18)
; OTHER INFORMATION: 5- methyl- 2'-methoxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-8

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 459
US-09-227-782-8/c
; Sequence 8, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (18)
; OTHER INFORMATION: 5- methyl- 2'-methoxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-8

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 460
US-09-227-782-12
; Sequence 12, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
; APPLICANT: Kawasaki, Andrew M
; APPLICANT: Fraser, Allister S
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip D
; APPLICANT: Prakash, Thazha P
; TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
; FILE REFERENCE: ISIS3315
; CURRENT APPLICATION NUMBER: US/09/227,782
; CURRENT FILING DATE: 1999-01-08
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (15)..(18)
; OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
; OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-12

```
  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 461
US-09-227-782-12/c
; Sequence 12, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-12

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 462
US-09-227-782-14
; Sequence 14, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-14

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 463
US-09-227-782-14/c
; Sequence 14, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-14

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 464
US-09-227-782-15
; Sequence 15, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-15

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
```

```
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 19


RESULT 465
US-09-227-782-15/c
; Sequence 15, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-15

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 466
US-09-227-782-25
; Sequence 25, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 19


RESULT 467
US-09-227-782-25/c
; Sequence 25, Application US/09227782
; Patent No. 6403779
; GENERAL INFORMATION:
;  APPLICANT: Kawasaki, Andrew M
;  APPLICANT:  Fraser, Allister S
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Prakash, Thazha P
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS3315
;  CURRENT APPLICATION NUMBER: US/09/227,782
;  CURRENT FILING DATE:  1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6403779el Sequence
US-09-227-782-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 468
US-09-619-103-25
; Sequence 25, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19
```

RESULT 469
US-09-619-103-25/c
; Sequence 25, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
; APPLICANT: Kurz, Markus
; APPLICANT: Lohse, Peter
; APPLICANT: Wagner, Richard
; TITLE OF INVENTION: Peptide Acceptor Ligation Methods
; FILE REFERENCE: 50036/031002
; CURRENT APPLICATION NUMBER: US/09/619,103
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/145,834
; PRIOR FILING DATE: 1999-07-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-25

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 19 TTTTTTTTTTTTTTTTTTT 1

RESULT 470
US-09-288-679-1
; Sequence 1, Application US/09288679
; Patent No. 6465628
; GENERAL INFORMATION:
; APPLICANT: Ravikumar, Vasulinga
; APPLICANT: Manoharan, Muthia
; APPLICANT: Capaldi, Daniel
; APPLICANT: Krotz, Achim
; APPLICANT: Cole, Douglas
; APPLICANT: Guzaev, Andrei
; TITLE OF INVENTION: Improved Process for the Synthesis of Oligomeric Compounds
; FILE REFERENCE: ISIS3380
; CURRENT APPLICATION NUMBER: US/09/288,679
; CURRENT FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/118,564
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: No. 6465628el Sequence
US-09-288-679-1

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 471
US-09-288-679-1/c
; Sequence 1, Application US/09288679
; Patent No. 6465628
; GENERAL INFORMATION:
; APPLICANT: Ravikumar, Vasulinga
; APPLICANT: Manoharan, Muthia
; APPLICANT: Capaldi, Daniel
; APPLICANT: Krotz, Achim
; APPLICANT: Cole, Douglas
; APPLICANT: Guzaev, Andrei
; TITLE OF INVENTION: Improved Process for the Synthesis of Oligomeric Compounds
; FILE REFERENCE: ISIS3380
; CURRENT APPLICATION NUMBER: US/09/288,679
; CURRENT FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/118,564
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: No. 6465628el Sequence
US-09-288-679-1

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 472
US-09-612-531-3
; Sequence 3, Application US/09612531
; Patent No. 6534639
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Philip Dan
; APPLICANT: Prakash, Thazha P.
; APPLICANT: Mohan, Venkatraman
; TITLE OF INVENTION: Guanidinium Functionalized Oligomers And Methods
; FILE REFERENCE: Isis-4406
; CURRENT APPLICATION NUMBER: US/09/612,531
; CURRENT FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 09/349,040
; PRIOR FILING DATE: 1999-07-07
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
US-09-612-531-3

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
||||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 473
US-09-612-531-3/c

```
; Sequence 3, Application US/09612531
; Patent No. 6534639
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Philip Dan
;  APPLICANT:  Prakash, Thazha P.
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Guanidinium Functionalized Oligomers And Methods
;  FILE REFERENCE: Isis-4406
;  CURRENT APPLICATION NUMBER: US/09/612,531
;  CURRENT FILING DATE:  2000-07-07
;  PRIOR APPLICATION NUMBER: 09/349,040
;  PRIOR FILING DATE: 1999-07-07
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
US-09-612-531-3

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 474
US-09-612-531-7
; Sequence 7, Application US/09612531
; Patent No. 6534639
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Philip Dan
;  APPLICANT:  Prakash, Thazha P.
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Guanidinium Functionalized Oligomers And Methods
;  FILE REFERENCE: Isis-4406
;  CURRENT APPLICATION NUMBER: US/09/612,531
;  CURRENT FILING DATE:  2000-07-07
;  PRIOR APPLICATION NUMBER: 09/349,040
;  PRIOR FILING DATE: 1999-07-07
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
US-09-612-531-7

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 475
US-09-612-531-7/c
; Sequence 7, Application US/09612531
; Patent No. 6534639
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Philip Dan
;  APPLICANT:  Prakash, Thazha P.
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Guanidinium Functionalized Oligomers And Methods
;  FILE REFERENCE: Isis-4406
;  CURRENT APPLICATION NUMBER: US/09/612,531
;  CURRENT FILING DATE:  2000-07-07
;  PRIOR APPLICATION NUMBER: 09/349,040
;  PRIOR FILING DATE: 1999-07-07
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
US-09-612-531-7

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 476
US-09-612-531-13
; Sequence 13, Application US/09612531
; Patent No. 6534639
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Philip Dan
;  APPLICANT:  Prakash, Thazha P.
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Guanidinium Functionalized Oligomers And Methods
;  FILE REFERENCE: Isis-4406
;  CURRENT APPLICATION NUMBER: US/09/612,531
;  CURRENT FILING DATE:  2000-07-07
;  PRIOR APPLICATION NUMBER: 09/349,040
;  PRIOR FILING DATE: 1999-07-07
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(17)
;   OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
US-09-612-531-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
```

```
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 477
US-09-612-531-13/c
; Sequence 13, Application US/09612531
; Patent No. 6534639
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Philip Dan
;  APPLICANT:  Prakash, Thazha P.
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Guanidinium Functionalized Oligomers And Methods
;  FILE REFERENCE: Isis-4406
;  CURRENT APPLICATION NUMBER: US/09/612,531
;  CURRENT FILING DATE:  2000-07-07
;  PRIOR APPLICATION NUMBER: 09/349,040
;  PRIOR FILING DATE: 1999-07-07
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (17)..(17)
;   OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: T*=2'-O-[2-(guanidinium)ethyl]
US-09-612-531-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 478
US-10-121-135-5
; Sequence 5, Application US/10121135
; Patent No. 6552178
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  TITLE OF INVENTION: 2'-O-Aminoethyloxyethyl-Modified Oligonucleotides
;  FILE REFERENCE: ISIS-5036
;  CURRENT APPLICATION NUMBER: US/10/121,135
;  CURRENT FILING DATE:  2002-04-11
;  PRIOR APPLICATION NUMBER: 09/370,625
;  PRIOR FILING DATE: 1999-08-06
;  PRIOR APPLICATION NUMBER: 09/130,566
;  PRIOR FILING DATE: 1998-08-07
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-modified T
US-10-121-135-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 479
US-10-121-135-5/c
; Sequence 5, Application US/10121135
; Patent No. 6552178
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  TITLE OF INVENTION: 2'-O-Aminoethyloxyethyl-Modified Oligonucleotides
;  FILE REFERENCE: ISIS-5036
;  CURRENT APPLICATION NUMBER: US/10/121,135
;  CURRENT FILING DATE:  2002-04-11
;  PRIOR APPLICATION NUMBER: 09/370,625
;  PRIOR FILING DATE: 1999-08-06
;  PRIOR APPLICATION NUMBER: 09/130,566
;  PRIOR FILING DATE: 1998-08-07
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-modified T
US-10-121-135-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 480
US-10-121-135-5
; Sequence 5, Application US/10121135
; Patent No. 6673912
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  TITLE OF INVENTION: 2'-O-Aminoethyloxyethyl-Modified Oligonucleotides
;  FILE REFERENCE: ISIS-5036
;  CURRENT APPLICATION NUMBER: US/10/121,135
;  CURRENT FILING DATE:  2002-04-11
;  PRIOR APPLICATION NUMBER: 09/370,625
;  PRIOR FILING DATE: 1999-08-06
;  PRIOR APPLICATION NUMBER: 09/130,566
;  PRIOR FILING DATE: 1998-08-07
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 2'-modified T
```

US-10-121-135-5

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19
```

RESULT 481
US-10-121-135-5/c
; Sequence 5, Application US/10121135
; Patent No. 6673912
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip Dan
; TITLE OF INVENTION: 2'-O-Aminoethyloxyethyl-Modified Oligonucleotides
; FILE REFERENCE: ISIS-5036
; CURRENT APPLICATION NUMBER: US/10/121,135
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/370,625
; PRIOR FILING DATE: 1999-08-06
; PRIOR APPLICATION NUMBER: 09/130,566
; PRIOR FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 2'-modified T
US-10-121-135-5

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1
```

RESULT 482
US-10-121-135-26
; Sequence 26, Application US/10121135
; Patent No. 6552178
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip Dan
; TITLE OF INVENTION: 2'-O-Aminoethyloxyethyl-Modified Oligonucleotides
; FILE REFERENCE: ISIS-5036
; CURRENT APPLICATION NUMBER: US/10/121,135
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/370,625
; PRIOR FILING DATE: 1999-08-06
; PRIOR APPLICATION NUMBER: 09/130,566
; PRIOR FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 2'-O-[2-(2-N,N-dimethylaminoethyl) oxyethyl]-5-methyl uridine (2'
; OTHER INFORMATION: -sub-T)
US-10-121-135-26

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19
```

RESULT 483
US-10-121-135-26/c
; Sequence 26, Application US/10121135
; Patent No. 6552178
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip Dan
; TITLE OF INVENTION: 2'-O-Aminoethyloxyethyl-Modified Oligonucleotides
; FILE REFERENCE: ISIS-5036
; CURRENT APPLICATION NUMBER: US/10/121,135
; CURRENT FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/370,625
; PRIOR FILING DATE: 1999-08-06
; PRIOR APPLICATION NUMBER: 09/130,566
; PRIOR FILING DATE: 1998-08-07
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 26
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Construct
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (16)..(19)
; OTHER INFORMATION: 2'-O-[2-(2-N,N-dimethylaminoethyl) oxyethyl]-5-methyl uridine (2'
; OTHER INFORMATION: -sub-T)
US-10-121-135-26

Query Match 0.7%; Score 19; DB 1; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1
```

RESULT 484
US-09-142-212A-10
; Sequence 10, Application US/09142212A
; Patent No. 6562960
; GENERAL INFORMATION:
; APPLICANT: Baxter, Anthony David
; APPLICANT: Collingwood, Stephen Paul
; APPLICANT: Douglas, Mark Edward
; APPLICANT: Taylor, Roger John
; TITLE OF INVENTION: Oligonucleotide Analogues
; FILE REFERENCE: ISIS4385
; CURRENT APPLICATION NUMBER: US/09/142,212A
; CURRENT FILING DATE: 1998-10-09
; PRIOR APPLICATION NUMBER: 97/00499
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 19

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (16)..(18)
; OTHER INFORMATION: Modified internucleoside linkage
US-09-142-212A-10

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
 |||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 485
US-09-142-212A-10/c
; Sequence 10, Application US/09142212A
; Patent No. 6562960
; GENERAL INFORMATION:
; APPLICANT: Baxter, Anthony David
; APPLICANT: Collingwood, Stephen Paul
; APPLICANT: Douglas, Mark Edward
; APPLICANT: Taylor, Roger John
; TITLE OF INVENTION: Oligonucleotide Analogues
; FILE REFERENCE: ISIS4385
; CURRENT APPLICATION NUMBER: US/09/142,212A
; CURRENT FILING DATE: 1998-10-09
; PRIOR APPLICATION NUMBER: 97/00499
; PRIOR FILING DATE: 1997-02-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (16)..(18)
; OTHER INFORMATION: Modified internucleoside linkage
US-09-142-212A-10

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
 |||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 486
US-09-349-040A-3
; Sequence 3, Application US/09349040A
; Patent No. 6593466
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip Dan
; APPLICANT: Prakash, Thazha
; APPLICANT: Mohan, Venkatraman
; TITLE OF INVENTION: Functionalized Oligomers
; FILE REFERENCE: ISIS-3811
; CURRENT APPLICATION NUMBER: US/09/349,040A
; CURRENT FILING DATE: 1999-07-07
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: No. 6593466el Sequence
US-09-349-040A-3

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2184
 |||||||||||||||||||
Db 1 TTTTTTTTTTTTTTTTTTT 19

RESULT 487
US-09-349-040A-3/c
; Sequence 3, Application US/09349040A
; Patent No. 6593466
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip Dan
; APPLICANT: Prakash, Thazha
; APPLICANT: Mohan, Venkatraman
; TITLE OF INVENTION: Functionalized Oligomers
; FILE REFERENCE: ISIS-3811
; CURRENT APPLICATION NUMBER: US/09/349,040A
; CURRENT FILING DATE: 1999-07-07
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: No. 6593466el Sequence
US-09-349-040A-3

 Query Match 0.7%; Score 19; DB 1; Length 19;
 Best Local Similarity 100.0%; Pred. No. 2.1e+02;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
 |||||||||||||||||||
Db 19 AAAAAAAAAAAAAAAAAAA 1

RESULT 488
US-09-349-040A-4
; Sequence 4, Application US/09349040A
; Patent No. 6593466
; GENERAL INFORMATION:
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Cook, Phillip Dan
; APPLICANT: Prakash, Thazha
; APPLICANT: Mohan, Venkatraman
; TITLE OF INVENTION: Functionalized Oligomers
; FILE REFERENCE: ISIS-3811
; CURRENT APPLICATION NUMBER: US/09/349,040A
; CURRENT FILING DATE: 1999-07-07
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: No. 6593466el Sequence
US-09-349-040A-4

```
  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 489
US-09-349-040A-4/c
; Sequence 4, Application US/09349040A
; Patent No. 6593466
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Functionalized Oligomers
;  FILE REFERENCE: ISIS-3811
;  CURRENT APPLICATION NUMBER: US/09/349,040A
;  CURRENT FILING DATE:  1999-07-07
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: No. 6593466el Sequence
US-09-349-040A-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 490
US-09-349-040A-5
; Sequence 5, Application US/09349040A
; Patent No. 6593466
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Functionalized Oligomers
;  FILE REFERENCE: ISIS-3811
;  CURRENT APPLICATION NUMBER: US/09/349,040A
;  CURRENT FILING DATE:  1999-07-07
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: No. 6593466el Sequence
US-09-349-040A-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 491
US-09-349-040A-5/c
; Sequence 5, Application US/09349040A
; Patent No. 6593466
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha
;  APPLICANT:  Mohan, Venkatraman
;  TITLE OF INVENTION: Functionalized Oligomers
;  FILE REFERENCE: ISIS-3811
;  CURRENT APPLICATION NUMBER: US/09/349,040A
;  CURRENT FILING DATE:  1999-07-07
;  NUMBER OF SEQ ID NOS: 10
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: No. 6593466el Sequence
US-09-349-040A-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 492
US-09-409-926-17
; Sequence 17, Application US/09409926
; Patent No. 6617442
; GENERAL INFORMATION:
;  APPLICANT:  Crooke, Stanley T.
;  APPLICANT:  Lima, Walter F.
;  APPLICANT:  Wu, Hongjiang
;  TITLE OF INVENTION:  Human Rnase H1 and Oligonucleotide Compositions Thereof
;  FILE REFERENCE:  ISIS4186
;  CURRENT APPLICATION NUMBER: US/09/409,926
;  CURRENT FILING DATE:  1999-09-30
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 17
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6617442el Sequence
US-09-409-926-17

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 493
US-09-409-926-17/c
; Sequence 17, Application US/09409926
; Patent No. 6617442
; GENERAL INFORMATION:
;  APPLICANT:  Crooke, Stanley T.
```

```
;  APPLICANT:  Lima, Walter F.
;  APPLICANT:  Wu, Hongjiang
;  TITLE OF INVENTION:  Human Rnase H1 and Oligonucleotide Compositions Thereof
;  FILE REFERENCE:  ISIS4186
;  CURRENT APPLICATION NUMBER: US/09/409,926
;  CURRENT FILING DATE:  1999-09-30
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 17
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6617442el Sequence
US-09-409-926-17

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 494
US-09-409-926-18
; Sequence 18, Application US/09409926
; Patent No. 6617442
; GENERAL INFORMATION:
;  APPLICANT:  Crooke, Stanley T.
;  APPLICANT:  Lima, Walter F.
;  APPLICANT:  Wu, Hongjiang
;  TITLE OF INVENTION:  Human Rnase H1 and Oligonucleotide Compositions Thereof
;  FILE REFERENCE:  ISIS4186
;  CURRENT APPLICATION NUMBER: US/09/409,926
;  CURRENT FILING DATE:  1999-09-30
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
;   OTHER INFORMATION: Oligonucleotide
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6617442el Sequence
US-09-409-926-18

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   94.7%;  Pred. No. 2.1e+02;
  Matches   18;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
                ||||||||||||||||||:
Db          1 TTTTTTTTTTTTTTTTTTU 19


RESULT 495
US-09-409-926-18/c
; Sequence 18, Application US/09409926
; Patent No. 6617442
; GENERAL INFORMATION:
;  APPLICANT:  Crooke, Stanley T.
;  APPLICANT:  Lima, Walter F.
;  APPLICANT:  Wu, Hongjiang
;  TITLE OF INVENTION:  Human Rnase H1 and Oligonucleotide Compositions Thereof
;  FILE REFERENCE:  ISIS4186
;  CURRENT APPLICATION NUMBER: US/09/409,926
;  CURRENT FILING DATE:  1999-09-30
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Combined DNA/RNA Molecule:
;   OTHER INFORMATION: Oligonucleotide
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6617442el Sequence
US-09-409-926-18

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 496
US-10-123-597-1
; Sequence 1, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-aminooxyethoxy
US-10-123-597-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
                ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 19


RESULT 497
US-10-123-597-1/c
; Sequence 1, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
```

```
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-aminooxyethoxy
US-10-123-597-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 498
US-10-123-597-2
; Sequence 2, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'dimethylaminooxyethoxy
US-10-123-597-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 499
US-10-123-597-2/c
; Sequence 2, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'dimethylaminooxyethoxy
US-10-123-597-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 500
US-10-123-597-3
; Sequence 3, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methoxyethoxy
US-10-123-597-3

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 501
US-10-123-597-3/c
; Sequence 3, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
```

```
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methoxyethoxy
US-10-123-597-3

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 502
US-10-123-597-4
; Sequence 4, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 503
US-10-123-597-4/c
; Sequence 4, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 504
US-10-123-597-5
; Sequence 5, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
US-10-123-597-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 505
US-10-123-597-5/c
; Sequence 5, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
```

```
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
US-10-123-597-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 506
US-10-123-597-6
; Sequence 6, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-O-propyl
US-10-123-597-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 507
US-10-123-597-6/c
; Sequence 6, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-O-propyl
US-10-123-597-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 508
US-10-123-597-7
; Sequence 7, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: 5-methyl-2'dimethylaminooxyethoxy
US-10-123-597-7

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
             |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19
```

```
RESULT 509
US-10-123-597-7/c
; Sequence 7, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: 5-methyl-2'dimethylaminooxyethoxy
US-10-123-597-7

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 510
US-10-123-597-8
; Sequence 8, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
US-10-123-597-8

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
                ||||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 511
US-10-123-597-8/c
; Sequence 8, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (18)..(18)
;   OTHER INFORMATION: 5-methyl-2'-methoxyethoxy
US-10-123-597-8

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 512
US-10-123-597-12
; Sequence 12, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-12

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
```

```
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 19


RESULT 513
US-10-123-597-12/c
; Sequence 12, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-12

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAA 1


RESULT 514
US-10-123-597-14
; Sequence 14, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-14

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 19


RESULT 515
US-10-123-597-14/c
; Sequence 14, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-14

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAA 1


RESULT 516
US-10-123-597-15
; Sequence 15, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
```

```
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-15

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 517
US-10-123-597-15/c
; Sequence 15, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: 5-methyl-2'-dimethylaminooxyethoxy
US-10-123-597-15

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 518
US-10-123-597-25
; Sequence 25, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
US-10-123-597-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 519
US-10-123-597-25/c
; Sequence 25, Application US/10123597
; Patent No. 6624294
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT:  Kawasaki, Andrew M
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Fraser, Allister S
;  TITLE OF INVENTION: Regioselective Synthesis of 2'-O-Modified Nucleosides
;  FILE REFERENCE: ISIS5040
;  CURRENT APPLICATION NUMBER: US/10/123,597
;  CURRENT FILING DATE:  2002-07-10
;  PRIOR APPLICATION NUMBER: 09/227,782
;  PRIOR FILING DATE: 1999-01-08
;  NUMBER OF SEQ ID NOS: 28
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 25
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic construct
;   NAME/KEY: misc_feature
;   LOCATION: (15)..(18)
;   OTHER INFORMATION: 2'-methyleneiminooxyethoxy
US-10-123-597-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 520
US-09-349-033A-1
; Sequence 1, Application US/09349033A
; Patent No. 6639061
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Maier, Martin
;  APPLICANT:  An, Haoyun
;  TITLE OF INVENTION: C3'-Methylene Hydrogen Phosphonate Oligomers and Related Compound
;  FILE REFERENCE: ISIS-3312
;  CURRENT APPLICATION NUMBER: US/09/349,033A
;  CURRENT FILING DATE:  1999-07-07
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Synthetic Oligonucleotide Sequence
US-09-349-033A-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 521
US-09-349-033A-1/c
; Sequence 1, Application US/09349033A
; Patent No. 6639061
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Maier, Martin
;  APPLICANT:  An, Haoyun
;  TITLE OF INVENTION: C3'-Methylene Hydrogen Phosphonate Oligomers and Related Compound
;  FILE REFERENCE: ISIS-3312
;  CURRENT APPLICATION NUMBER: US/09/349,033A
;  CURRENT FILING DATE:  1999-07-07
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Oligonucleotide Sequence
US-09-349-033A-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 522
US-09-435-806-6
; Sequence 6, Application US/09435806
; Patent No. 6653458
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Guinoso, Charles J.
;  TITLE OF INVENTION: MODIFIED OLIGONUCLEOTIDES
;  FILE REFERENCE: ISIS-4289
;  CURRENT APPLICATION NUMBER: US/09/435,806
;  CURRENT FILING DATE:  1999-11-08
;  PRIOR APPLICATION NUMBER: US 09/115,043
;  PRIOR FILING DATE: 1998-07-14
;  PRIOR APPLICATION NUMBER: US 08/602,862
;  PRIOR FILING DATE: 1996-02-28
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic construct
US-09-435-806-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTT 19


RESULT 523
US-09-435-806-6/c
; Sequence 6, Application US/09435806
; Patent No. 6653458
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Guinoso, Charles J.
;  TITLE OF INVENTION: MODIFIED OLIGONUCLEOTIDES
;  FILE REFERENCE: ISIS-4289
;  CURRENT APPLICATION NUMBER: US/09/435,806
;  CURRENT FILING DATE:  1999-11-08
;  PRIOR APPLICATION NUMBER: US 09/115,043
;  PRIOR FILING DATE: 1998-07-14
;  PRIOR APPLICATION NUMBER: US 08/602,862
;  PRIOR FILING DATE: 1996-02-28
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic construct
US-09-435-806-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         19 AAAAAAAAAAAAAAAAAAA 1


RESULT 524
US-08-146-504-16/c
; Sequence 16, Application US/08146504
; Patent No. 5605662
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  SELF-ADDRESSABLE SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS AND
;    TITLE OF INVENTION:  DIAGNOSTICS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,504
;      FILING DATE:  No. 5605662ember 1, 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                  none
;      APPLICATION NUMBER:
```

```
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  203/218
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-146-504-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2


RESULT 525
US-08-379-593-5/c
; Sequence 5, Application US/08379593
; Patent No. 5849480
;  GENERAL INFORMATION:
;    APPLICANT:  Cros, Philippe
;    APPLICANT:  Kurfurst, Robin
;    APPLICANT:  Battail, Nicole
;    APPLICANT:  Piga, Nadia
;    TITLE OF INVENTION:  HAPTEN ASSAY DEVICE AND USE THEREOF
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  700 South Washington Street, Suite 300
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  USA
;      ZIP:  22314
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Floppy disk, 1.44M storage
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/379,593
;      FILING DATE:  02-FEB-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berridge, William P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 36056
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-836-6400
;      TELEFAX:  703-836-2787
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "SYNTHETIC DNA"
;    FEATURE:
;      OTHER INFORMATION:  consists of nucleosides with an alpha anomer and carries
US-08-379-593-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2


RESULT 526
US-08-725-976-16/c
; Sequence 16, Application US/08725976
; Patent No. 5929208
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  METHODS FOR ELECTRONIC SYNTHESIS OF POLYMERS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  WINDOWS (VERSION 3.0)
;      SOFTWARE:  WordPerfect (Version 6.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/725,976
;      FILING DATE:  October 4, 1996
;      CLASSIFICATION:  422
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 5929208ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  222/211
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEFAX:  67-3510
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-725-976-16

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2


RESULT 527
US-08-997-080-83
; Sequence 83, Application US/08997080
; Patent No. 5968524
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, JAMES D.
;    APPLICANT:  TAN, PAUL L.J.
;    TITLE OF INVENTION:  METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
;    NUMBER OF SEQUENCES:  194
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Ann W. Speckman
```

```
;       STREET:  2601 Elliott Avenue, Suite 4185
;       CITY:  Seattle
;       STATE:  WA
;       COUNTRY:  USA
;       ZIP:  98121
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ for Windows Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/997,080
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Sleath, Janet
;       REGISTRATION NUMBER:  37,007
;       REFERENCE/DOCKET NUMBER:  11000.1007
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  206-269-0565
;       TELEFAX:  206-269-0563
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  83:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Other
US-08-997-080-83

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 528
US-08-997-362-83
; Sequence 83, Application US/08997362
; Patent No. 5985287
;  GENERAL INFORMATION:
;     APPLICANT:  Tan, Paul
;     APPLICANT:  Hiyama, Jun
;     APPLICANT:  Visser, Elizabeth
;     APPLICANT:  Skinner, Margot
;     APPLICANT:  Scott, Linda
;     APPLICANT:  Prestidge, Ross
;     TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR
;     TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
;     NUMBER OF SEQUENCES:  194
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Law Offices of Ann W. Speckman
;       STREET:  2601 Elliott Avenue, Suite 4185
;       CITY:  Seattle
;       STATE:  WA
;       COUNTRY:  USA
;       ZIP:  98121
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ for Windows Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/997,362
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  U.S. Patent Application No. 5985287 08/873,970
;       FILING DATE:  June 12, 1997
;       APPLICATION NUMBER:  U.S. Patent Application No. 5985287 08/705,347
;       FILING DATE:  August 29, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Sleath, Janet
;       REGISTRATION NUMBER:  37,007
;       REFERENCE/DOCKET NUMBER:  11000.1002c2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  206-269-0565
;       TELEFAX:  206-269-0563
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  83:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Other
US-08-997-362-83

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 529
US-08-965-780-1/c
; Sequence 1, Application US/08965780
; Patent No. 5986084
;  GENERAL INFORMATION:
;     APPLICANT:  Pitsch, Stefan
;     APPLICANT:  Weiss, Patrick A.
;     APPLICANT:  Jenny, Luzi
;     TITLE OF INVENTION:  RIBONUCLEOSIDE-DERIVATIVE AND METHOD FOR
;     TITLE OF INVENTION:  PREPARING THE SAME
;     NUMBER OF SEQUENCES:  2
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  KUBOVCIK & KUBOVCIK
;       STREET:  900 17th Street, N.W., Suite 990
;       CITY:  Washington
;       STATE:  DC
;       COUNTRY:  USA
;       ZIP:  20006
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/965,780
;       FILING DATE:  07-NOV-1997
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  CH 01931/97
;       FILING DATE:  18-AUG-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Kubovcik, Ronald J.
;       REGISTRATION NUMBER:  25,401
;       REFERENCE/DOCKET NUMBER:  FREI-002
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  202-887-9023
;       TELEFAX:  202-887-9093
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
```

```
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligoribonucleotide"
US-08-965-780-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2


RESULT 530
US-08-873-970-83
; Sequence 83, Application US/08873970
; Patent No. 6001361
;  GENERAL INFORMATION:
;    APPLICANT:  Tan, Paul
;    APPLICANT:  Hiyama, Jun
;    APPLICANT:  Visser, Elizabeth
;    APPLICANT:  Skinner, Margot
;    APPLICANT:  Scott, Linda
;    APPLICANT:  Prestidge, Ross
;    TITLE OF INVENTION:  COMPOUNDS AND METHODS FOR
;    TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Ann W. Speckman
;      STREET:  2601 Elliott Avenue, Suite 4185
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/873,970
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/705,347
;      FILING DATE:  29-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sleath, Janet
;      REGISTRATION NUMBER:  37,007
;      REFERENCE/DOCKET NUMBER:  11000.1002C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-269-0565
;      TELEFAX:  206-269-0563
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  83:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
US-08-873-970-83

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19
```

```
RESULT 531
US-08-765-340-96/c
; Sequence 96, Application US/08765340
; Patent No. 6150092
;  GENERAL INFORMATION:
;    APPLICANT:  UCHIDA, K.,
;    APPLICANT:  UCHIDA, T.,
;    APPLICANT:  TANAKA, Y.,
;    APPLICANT:  MATSUDA, Y.,
;    APPLICANT:  KONDO, S.
;    TITLE OF INVENTION:  AN ANTISENSE NUCLEIC ACID
;    TITLE OF INVENTION:  COMPOUND
;    NUMBER OF SEQUENCES:  185
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/765,340
;      FILING DATE:  23-DEC-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 145146/94
;      FILING DATE:  27-JUN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 311130/94
;      FILING DATE:  21-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SERUNIAN, LESLIE
;      REGISTRATION NUMBER:  35,353
;      REFERENCE/DOCKET NUMBER:  1452-4005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;  INFORMATION FOR SEQ ID NO:  96:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA"
US-08-765-340-96

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2


RESULT 532
US-09-095-855-83
; Sequence 83, Application US/09095855
; Patent No. 6160093
;  GENERAL INFORMATION:
;    APPLICANT:  Tan, Paul
;    APPLICANT:  Visser, Elizabeth
;    APPLICANT:  Skinner, Margot
;    APPLICANT:  Prestidge, Ross
;    TITLE OF INVENTION:  Compounds and Methods for
;    TITLE OF INVENTION:  Treatment and Diagnosis of Mycobacterial Infections
;    NUMBER OF SEQUENCES:  208
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Ann W. Speckman
;      STREET:  2601 Elliott Avenue, Suite 4185
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/095,855
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/705,347
;      FILING DATE:  29-AUG-1996
;      APPLICATION NUMBER:  08/873,970
;      FILING DATE:  12-JUN-1997
;      APPLICATION NUMBER:  08/997,362
;      FILING DATE:  23-DEC-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sleath, Janet
;      REGISTRATION NUMBER:  37,007
;      REFERENCE/DOCKET NUMBER:  11000.1002c3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-269-0565
;      TELEFAX:  206-269-0563
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  83:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
US-09-095-855-83

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 533
US-09-407-675-1
; Sequence 1, Application US/09407675
; Patent No. 6169176
; GENERAL INFORMATION:
;  APPLICANT:  Bruice, Thomas C.
;  APPLICANT:  Arya, Dev P.
;  TITLE OF INVENTION:  DEOXYNUCLEIC ALKYL THIOUREA COMPOUNDS AND USES THEREOF
;  FILE REFERENCE:  30448.65US02
;  CURRENT APPLICATION NUMBER: US/09/407,675
;  CURRENT FILING DATE:  1999-09-28
;  PRIOR APPLICATION NUMBER:  09/347,443
;  PRIOR FILING DATE:  1999-07-02
;  PRIOR APPLICATION NUMBER:  60/091,481
;  PRIOR FILING DATE:  1998-07-02
;  PRIOR APPLICATION NUMBER:  60/111,800
;  PRIOR FILING DATE:  1998-12-11
;  NUMBER OF SEQ ID NOS:  5
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Oligo 1
US-09-407-675-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 534
US-09-250-075-1/c
; Sequence 1, Application US/09250075
; Patent No. 6207819
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Maier, Martin A
;  TITLE OF INVENTION:  Compounds Processes And Intermediates For Synthesis Of
;  TITLE OF INVENTION:  Mixed Backbone Oligomeric Compounds
;  FILE REFERENCE:  ISIS3299
;  CURRENT APPLICATION NUMBER: US/09/250,075
;  CURRENT FILING DATE:  1999-02-12
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: 2'-methoxyethoxy (MOE)
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6207819el
;   OTHER INFORMATION: Sequence
US-09-250-075-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2

RESULT 535
US-09-173-936B-14/c
; Sequence 14, Application US/09173936B
; Patent No. 6238865
;   GENERAL INFORMATION:
;        APPLICANT: Zhen, Huang; Szostak, Jack W.
;        TITLE OF INVENTION: A Simple and Efficient Method to Label and Modify 3'-
;                            Terminal
;                            of RNA Using DNA Polymerase and a Synthetic Template with D
;                            Nucleotides
;        NUMBER OF SEQUENCES: 21
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Cohen,Pontani,Lieberman & Pavane
;             STREET: 551 Fifth Avenue
;             CITY: New York
;             STATE: New York
;             COUNTRY: USA
;             ZIP: 10176
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.50 inch Diskette
;             COMPUTER: IBM-MS
;             OPERATING SYSTEM: Window 95
;             SOFTWARE: Microsoft Word
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/173,936B
;             FILING DATE: 16-Oct-1998
```

```
;            CLASSIFICATION: 435
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 60/063,757
;            FILING DATE: 17-OCT-1997
;   INFORMATION FOR SEQ ID NO: 14:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 bases
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-173-936B-14

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2


RESULT 536
US-09-454-704A-13
; Sequence 13, Application US/09454704A
; Patent No. 6274321
; GENERAL INFORMATION:
;  APPLICANT:   Blumberg, Bruce
;  TITLE OF INVENTION:  High Throughput Functional Screening of
;  TITLE OF INVENTION:  cDNAs
;  FILE REFERENCE:  P-UC 3662
;  CURRENT APPLICATION NUMBER: US/09/454,704A
;  CURRENT FILING DATE:  1999-12-03
;  NUMBER OF SEQ ID NOS:  14
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: cDNA
US-09-454-704A-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 537
US-09-324-542-83
; Sequence 83, Application US/09324542
; Patent No. 6328978
; GENERAL INFORMATION:
;  APPLICANT: Watson, James D.
;  APPLICANT: Tan, Paul L.J.
;  APPLICANT: Prestidge, Ross
;  TITLE OF INVENTION: Methods and Compounds for the Treatment
;  TITLE OF INVENTION: of Immunologically-Mediated Skin Disorders
;  FILE REFERENCE: 11000.1007c1
;  CURRENT APPLICATION NUMBER: US/09/324,542
;  CURRENT FILING DATE: 1999-06-02
;  EARLIER APPLICATION NUMBER: US 08/997,080
;  EARLIER FILING DATE: 1997-12-23
;  NUMBER OF SEQ ID NOS: 194
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Made in a lab
US-09-324-542-83

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 538
US-09-205-426-83
; Sequence 83, Application US/09205426
; Patent No. 6406704
; GENERAL INFORMATION:
;  APPLICANT: Watson, James D.
;  APPLICANT: Tan, Paul L. J.
;  TITLE OF INVENTION: Compounds and Methods for Treatment and
;  TITLE OF INVENTION: Diagnosis of Mycobacterial Infections
;  FILE REFERENCE: 11000.1002c4
;  CURRENT APPLICATION NUMBER: US/09/205,426
;  CURRENT FILING DATE: 1998-12-04
;  EARLIER APPLICATION NUMBER: 09/095,855
;  EARLIER FILING DATE: 1998-06-11
;  EARLIER APPLICATION NUMBER: 08/997,362
;  EARLIER FILING DATE: 1997-12-23
;  EARLIER APPLICATION NUMBER: 08/873,970
;  EARLIER FILING DATE: 1997-06-12
;  EARLIER APPLICATION NUMBER: 08/705,347
;  EARLIER FILING DATE: 1996-08-29
;  NUMBER OF SEQ ID NOS: 208
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Made in a lab
US-09-205-426-83

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 539
US-09-619-103-26
; Sequence 26, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 26
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-26

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 540
US-09-726-096A-1/c
; Sequence 1, Application US/09726096A
; Patent No. 6462184
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Maier, Martin A.
;  TITLE OF INVENTION: Compounds Processes And Intermediates For Synthesis Of Mixed Back
;  TITLE OF INVENTION:  Oligomeric Compounds
;  FILE REFERENCE: ISIS4528
;  CURRENT APPLICATION NUMBER: US/09/726,096A
;  CURRENT FILING DATE:  2000-11-29
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(20)
;   OTHER INFORMATION: 2'-methoxyethoxy (MOE)
US-09-726-096A-1

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2


RESULT 541
US-09-603-830-55
; Sequence 55, Application US/09603830
; Patent No. 6506564
; GENERAL INFORMATION:
;  APPLICANT:  Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION:  NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE:  4149-1-1-1-1
;  CURRENT APPLICATION NUMBER: US/09/603,830
;  CURRENT FILING DATE:  2000-06-26
;  PRIOR APPLICATION NUMBER:  60/031,809
;  PRIOR FILING DATE:  1996-07-29
;  PRIOR APPLICATION NUMBER:  PCT/US97/12783
;  PRIOR FILING DATE:  1997-07-21
;  PRIOR APPLICATION NUMBER:  09/240,755
;  PRIOR FILING DATE:  1999-01-29
;  PRIOR APPLICATION NUMBER:  09/344,667
;  PRIOR FILING DATE:  1999-06-25
;  PRIOR APPLICATION NUMBER:  60/200,161
;  PRIOR FILING DATE:  2000-04-26
;  NUMBER OF SEQ ID NOS:  64
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-603-830-55

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 542
US-09-976-978A-55
; Sequence 55, Application US/09976978A
; Patent No. 6532097
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i17
;  CURRENT APPLICATION NUMBER: US/09/976,978A
;  CURRENT FILING DATE:  2002-03-05
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-976-978A-55

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 543
US-09-344-260A-10/c
; Sequence 10, Application US/09344260A
; Patent No. 6576752
```

```
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Lonnberg, Harri
;  APPLICANT:  Salo, Harri
;  APPLICANT:  Virta, Pasi
;  TITLE OF INVENTION: Aminooxy Functionalized Oligomers
;  FILE REFERENCE: ISIS-3508
;  CURRENT APPLICATION NUMBER: US/09/344,260A
;  CURRENT FILING DATE:  1999-06-25
;  PRIOR APPLICATION NUMBER: 09/016,520
;  PRIOR FILING DATE: 1998-01-30
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: No. 6576752el Sequence
US-09-344-260A-10

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         20 AAAAAAAAAAAAAAAAAAA 2

RESULT 544
US-09-961-949A-55
; Sequence 55, Application US/09961949A
; Patent No. 6582921
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i1
;  CURRENT APPLICATION NUMBER: US/09/961,949A
;  CURRENT FILING DATE:  2001-09-20
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-961-949A-55

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19

RESULT 545
US-09-966-491A-55
; Sequence 55, Application US/09966491A
; Patent No. 6610491
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i4
;  CURRENT APPLICATION NUMBER: US/09/966,491A
;  CURRENT FILING DATE:  2002-03-12
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-966-491A-55

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19

RESULT 546
US-09-957-313A-55
; Sequence 55, Application US/09957313A
; Patent No. 6645721
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i3
;  CURRENT APPLICATION NUMBER: US/09/957,313A
;  CURRENT FILING DATE:  2002-03-05
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
```

; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-957-313A-55

Query Match 0.7%; Score 19; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 1 AAAAAAAAAAAAAAAAAAA 19

RESULT 547
US-09-966-312-55
; Sequence 55, Application US/09966312
; Patent No. 6673548
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-i5
; CURRENT APPLICATION NUMBER: US/09/966,312
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-966-312-55

Query Match 0.7%; Score 19; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 1 AAAAAAAAAAAAAAAAAAA 19

RESULT 548
US-09-975-062A-55
; Sequence 55, Application US/09975062A
; Patent No. 6677122
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-i11
; CURRENT APPLICATION NUMBER: US/09/975,062A
; CURRENT FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: PCT/US97/12783
; PRIOR FILING DATE: 1997-07-21
; PRIOR APPLICATION NUMBER: 60/031,809
; PRIOR FILING DATE: 1996-07-29
; PRIOR APPLICATION NUMBER: 60/200,161
; PRIOR FILING DATE: 2000-04-26
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:random
; OTHER INFORMATION: synthetic sequence
US-09-975-062A-55

Query Match 0.7%; Score 19; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
||||||||||||||||||||
Db 1 AAAAAAAAAAAAAAAAAAA 19

RESULT 549
US-09-976-971A-55
; Sequence 55, Application US/09976971A
; Patent No. 6682895
; GENERAL INFORMATION:
; APPLICANT: Mirkin, Chad A.
; APPLICANT: Letsinger, Robert L.
; APPLICANT: Mucic, Robert C.
; APPLICANT: Storhoff, James J.
; APPLICANT: Elghanian, Robert
; APPLICANT: Taton, Thomas A.
; TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
; TITLE OF INVENTION: AND USES THEREFOR
; FILE REFERENCE: 00-713-i18
; CURRENT APPLICATION NUMBER: US/09/976,971A
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 09/603,830
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 09/344,667
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/240,755

```
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-976-971A-55

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 550
PCT-US93-07603-6
; Sequence 6, Application PC/TUS9307603
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  NUCLEIC ACID RECOGNITION AND TRANSPORT
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wolf, Greenfield & Sacks, P.C.
;      STREET:  600 Atlantic Avenue
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  United States of America
;      ZIP:  02210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/07603
;      FILING DATE:  19930813
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/930,087
;      FILING DATE:  14-AUG-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gates, Edward R.
;      REGISTRATION NUMBER:  31,616
;      REFERENCE/DOCKET NUMBER:  M0636/7007WO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-720-3500
;      TELEFAX:  617-720-2441
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
;      DESCRIPTION:  Synthetic RNA oligonucleotide.
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US93-07603-6

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 551
US-08-482-918-33
; Sequence 33, Application US/08482918
; Patent No. 6207417
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,918
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/33005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-482-918-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTTA 2187
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTA 19


RESULT 552
US-08-482-918-34/c
; Sequence 34, Application US/08482918
; Patent No. 6207417
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
```

```
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,918
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/33005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-482-918-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         19 GAAAAAAAAAAAAAAAAAA 1


RESULT 553
US-09-224-681-33
; Sequence 33, Application US/09224681
; Patent No. 6207454
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Method for Enhancing the Efficiency of Gene
;    TITLE OF INVENTION:  Transfer with Stem Cell Factor (SCF) Polypeptide
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/224,681
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/005,893
;      FILING DATE:  12-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/449,653
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/35199
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-224-681-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTA 19


RESULT 554
US-09-224-681-34/c
; Sequence 34, Application US/09224681
; Patent No. 6207454
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Method for Enhancing the Efficiency of Gene
;    TITLE OF INVENTION:  Transfer with Stem Cell Factor (SCF) Polypeptide
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/224,681
;      FILING DATE:
;      CLASSIFICATION:
```

```
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/005,893
;      FILING DATE:  12-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/449,653
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/35199
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-224-681-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              |||||||||||||||||||
Db         19 GAAAAAAAAAAAAAAAAAA 1


RESULT 555
US-08-336-728A-33
; Sequence 33, Application US/08336728A
; Patent No. 6207802
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/336,728A
;      FILING DATE:  09-NOV-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/32956
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-336-728A-33

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTTA 2187
              |||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTTA 19


RESULT 556
US-08-336-728A-34/c
; Sequence 34, Application US/08336728A
; Patent No. 6207802
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/336,728A
;      FILING DATE:  09-NOV-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
```

```
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/32956
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-336-728A-34

  Query Match             0.7%;  Score 19;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
                ||||||||||||||||||
Db         19 GAAAAAAAAAAAAAAAAAA 1


RESULT 557
US-08-455-896-13/c
; Sequence 13, Application US/08455896
; Patent No. 5668267
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,896
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-455-896-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 558
US-08-933-149-13/c
; Sequence 13, Application US/08933149
; Patent No. 5922836
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  MAMMAGLOBIN, A SECRETED
;    TITLE OF INVENTION:  MAMMARY SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWELL & HAFERKAMP, L.C.
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/933,149
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HENDERSON, MELODIE W.
;      REGISTRATION NUMBER:  37,848
;      REFERENCE/DOCKET NUMBER:  6029-6040
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-933-149-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 559
```

```
US-09-082-343-13/c
; Sequence 13, Application US/09082343
; Patent No. 5968754
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,343
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/455,896
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-082-343-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 560
US-08-863-639A-10
; Sequence 10, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-10

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 561
US-08-863-639A-13/c
; Sequence 13, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
```

```
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 562
US-08-416-214A-12/c
; Sequence 12, Application US/08416214A
; Patent No. 5998596
;  GENERAL INFORMATION:
;    APPLICANT:  Bergan, Raymond; Neckers, Len
;    TITLE OF INVENTION:  Inhibition Of Protein
;    TITLE OF INVENTION:  Kinase Activity By Aptameric Action Of
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/416,214A
;      FILING DATE:  04-APR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Kathryn M.
;      REGISTRATION NUMBER:  34,556
;      REFERENCE/DOCKET NUMBER:  2026-4166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;      TELEX:  421792
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  Nucleic acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Other nucleic acid
;    HYPOTHETICAL:  Yes
;    ANTI-SENSE:  No
US-08-416-214A-12

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 563
US-09-082-253-13/c
; Sequence 13, Application US/09082253
; Patent No. 6004756
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/082,253
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/455,896
;      FILING DATE:  05/31/1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  952726
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-082-253-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 564
US-09-162-622-13/c
; Sequence 13, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
;  APPLICANT: WATSON, MARK A
;  APPLICANT: FLEMING, TIMOTHY P
;  TITLE OF INVENTION: Mammaglobin, A Secreted Mammary-Specific Breast Cancer
;  TITLE OF INVENTION: Protein
;  FILE REFERENCE: 6029-5134
;  CURRENT APPLICATION NUMBER: US/09/162,622
;  CURRENT FILING DATE: 1998-09-29
;  EARLIER APPLICATION NUMBER: 08/933,149
;  EARLIER FILING DATE: 1997-09-18
;  EARLIER APPLICATION NUMBER: PCT/US96/08235
;  EARLIER FILING DATE: 1996-05-31
;  EARLIER APPLICATION NUMBER: 08/455,896
;  EARLIER FILING DATE: 1995-05-31
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-162-622-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 565
US-09-509-015-13/c
; Sequence 13, Application US/09509015
; Patent No. 6677428
;   GENERAL INFORMATION:
;        APPLICANT: WATSON, MARK S.; FLEMING, TIMOTHY P.
;        TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
;                            MAMMARY SPECIFIC BREAST CANCER PROTEIN
;        NUMBER OF SEQUENCES: 14
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: HOWELL & HAFERKAMP, L.C.
;             STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
;             CITY: ST. LOUIS
;             STATE: MISSOURI
;             COUNTRY: USA
;             ZIP: 63105-1817
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/509,015
;             FILING DATE: 30-May-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: PCT/US98/17991
;             FILING DATE: 1998-09-18
;             APPLICATION NUMBER: 08/933,149
;             FILING DATE: 1997-09-18
;        ATTORNEY/AGENT INFORMATION:
;             NAME: KASTEN, DANIEL S.
;             REGISTRATION NUMBER: 45,363
;             REFERENCE/DOCKET NUMBER: 6029-3654
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (314) 727-5188
;             TELEFAX: (314) 727-6092
;   INFORMATION FOR SEQ ID NO: 13:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 21 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA to mRNA
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-509-015-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 566
PCT-US96-08235-13/c
; Sequence 13, Application PC/TUS9608235
;  GENERAL INFORMATION:
;    APPLICANT:  WATSON, MARK A.
;    APPLICANT:  FLEMING, TIMOTHY P.
;    TITLE OF INVENTION:  DNA SEQUENCE AND ENCODED
;    TITLE OF INVENTION:  MAMMARY-SPECIFIC BREAST CANCER PROTEIN
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROGERS, HOWELL & HAFERKAMP
;      STREET:  7733 FORSYTH BOULEVARD, SUITE 1400
;      CITY:  ST. LOUIS
;      STATE:  MISSOURI
;      COUNTRY:  USA
;      ZIP:  63105-1817
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/08235
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  HOLLAND, DONALD R.
;      REGISTRATION NUMBER:  35,197
;      REFERENCE/DOCKET NUMBER:  964796
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 727-5188
;      TELEFAX:  (314) 727-6092
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-08235-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 567
US-08-146-504-2
; Sequence 2, Application US/08146504
; Patent No. 5605662
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  SELF-ADDRESSABLE SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS AND
;    TITLE OF INVENTION:  DIAGNOSTICS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,504
;      FILING DATE:  No. 5605662ember 1, 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    none
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  203/218
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-146-504-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 568
US-08-725-976-2
; Sequence 2, Application US/08725976
; Patent No. 5929208
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  METHODS FOR ELECTRONIC SYNTHESIS OF POLYMERS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  WINDOWS (VERSION 3.0)
;      SOFTWARE:  WordPerfect (Version 6.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/725,976
;      FILING DATE:  October 4, 1996
;      CLASSIFICATION:  422
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 5929208ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  222/211
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEFAX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-725-976-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 569
US-08-271-882B-2
; Sequence 2, Application US/08271882B
; Patent No. 6017696
;  GENERAL INFORMATION:
;    APPLICANT:  Michael J. Heller
;    APPLICANT:  Eugene Tu
;    APPLICANT:  Glen A. Evans
;    APPLICANT:  Ronald G. Sosnowski
;    TITLE OF INVENTION:  SELF-ADDRESSABLE
;    TITLE OF INVENTION:  SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND
;    TITLE OF INVENTION:  DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS
;    TITLE OF INVENTION:  AND DIAGNOSTICS
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,882B
;      FILING DATE:  July 7, 1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 6017696ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  207/263
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-271-882B-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                ||||||||||||||||||||
```

```
Db          1 AAAAAAAAAAAAAAAAAA 19


RESULT 570
US-08-726-278-2
; Sequence 2, Application US/08726278
; Patent No. 6238624
; GENERAL INFORMATION:
;  APPLICANT:  Heller, Michael J.
;  APPLICANT:  Tu, Eugene
;  APPLICANT:  Evans, Glen A.
;  APPLICANT:  Sosnowski, Ronald G.
;  TITLE OF INVENTION:  METHODS FOR ELECTRONIC TRANSPORT IN MOLECULAR
;  TITLE OF INVENTION:  BIOLOGICAL ANALYSIS AND DIAGNOSTICS
;  FILE REFERENCE:  DAVID B. MURPHY/NANOGEN:  222-210
;  CURRENT APPLICATION NUMBER: US/08/726,278
;  CURRENT FILING DATE:  1996-10-04
;  PRIOR APPLICATION NUMBER:  08/271,882
;  PRIOR FILING DATE:  1994-07-07
;  NUMBER OF SEQ ID NOS:  44
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 2
;    LENGTH: 21
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Sequences for
;    OTHER INFORMATION: Labeling
US-08-726-278-2

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 571
US-08-359-295C-23
; Sequence 23, Application US/08359295C
; Patent No. 5695934
;  GENERAL INFORMATION:
;    APPLICANT:  Sydney Brenner
;    TITLE OF INVENTION:  Massively Parallel Sequencing of Sorted Polynucleotides
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/359,295C
;      FILING DATE:  19-DEC-94
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/322,348
;      FILING DATE:  13-OCT-94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  mps1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-359-295C-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          3 TTTTTTTTTTTTTTTTTTT 21


RESULT 572
US-08-359-295C-23/c
; Sequence 23, Application US/08359295C
; Patent No. 5695934
;  GENERAL INFORMATION:
;    APPLICANT:  Sydney Brenner
;    TITLE OF INVENTION:  Massively Parallel Sequencing of Sorted Polynucleotides
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/359,295C
;      FILING DATE:  19-DEC-94
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/322,348
;      FILING DATE:  13-OCT-94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  mps1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-359-295C-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 573
US-08-485-105A-23
; Sequence 23, Application US/08485105A
; Patent No. 5863722
;  GENERAL INFORMATION:
```

```
;    APPLICANT:  Sydney Brenner
;    TITLE OF INVENTION:  Massively Parallel Sequencing of Sorted Polynucleotides
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/485,105A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/359,295
;      FILING DATE:  19-DEC-94
;      APPLICATION NUMBER:  08/322,348
;      FILING DATE:  13-OCT-94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  mps1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-485-105A-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          3 TTTTTTTTTTTTTTTTTTT 21


RESULT 574
US-08-485-105A-23/c
; Sequence 23, Application US/08485105A
; Patent No. 5863722
;  GENERAL INFORMATION:
;    APPLICANT:  Sydney Brenner
;    TITLE OF INVENTION:  Massively Parallel Sequencing of Sorted Polynucleotides
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/485,105A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/359,295
;      FILING DATE:  19-DEC-94
;      APPLICATION NUMBER:  08/322,348
;      FILING DATE:  13-OCT-94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  mps1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-485-105A-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 575
US-09-183-650-23
; Sequence 23, Application US/09183650B
; Patent No. 6140489
; GENERAL INFORMATION:
;  APPLICANT: Brenner, Sydney
;  TITLE OF INVENTION: Improved compositions for sorting polynucleotides
;  FILE REFERENCE: 803-03
;  CURRENT APPLICATION NUMBER: US/09/183,650B
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: US 08/485,105
;  EARLIER FILING DATE: 1995-06-07
;  EARLIER APPLICATION NUMBER: US 08/359,295
;  EARLIER FILING DATE: 1994-12-19
;  EARLIER APPLICATION NUMBER: US 08/322,348
;  EARLIER FILING DATE: 1994-10-13
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: Microsoft Word97
; SEQ ID NO 23
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE: No. 6140489special biological significance.
;   NAME/KEY: Primer.
;   LOCATION: N.a.
;   OTHER INFORMATION: Primer for synthesis of first strand of cDNA.
US-09-183-650-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||||||||||||||||||
Db          3 TTTTTTTTTTTTTTTTTTT 21


RESULT 576
US-09-183-650-23/c
; Sequence 23, Application US/09183650B
; Patent No. 6140489
; GENERAL INFORMATION:
;  APPLICANT: Brenner, Sydney
;  TITLE OF INVENTION: Improved compositions for sorting polynucleotides
;  FILE REFERENCE: 803-03
```

```
;  CURRENT APPLICATION NUMBER: US/09/183,650B
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: US 08/485,105
;  EARLIER FILING DATE: 1995-06-07
;  EARLIER APPLICATION NUMBER: US 08/359,295
;  EARLIER FILING DATE: 1994-12-19
;  EARLIER APPLICATION NUMBER: US 08/322,348
;  EARLIER FILING DATE: 1994-10-13
;  NUMBER OF SEQ ID NOS: 23
;  SOFTWARE: Microsoft Word97
; SEQ ID NO 23
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE: No. 6140489special biological significance.
;   NAME/KEY: Primer.
;   LOCATION: N.a.
;   OTHER INFORMATION: Primer for synthesis of first strand of cDNA.
US-09-183-650-23

  Query Match             0.7%;  Score 19;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db         21 AAAAAAAAAAAAAAAAAAA 3


RESULT 577
US-08-123-449A-19
; Sequence 19, Application US/08123449A
; Patent No. 5583032
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  1-4
;      OTHER INFORMATION:  A is linked by 2',5'-linkage
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  4
;      OTHER INFORMATION:  A is linked at 2' end to following
;      OTHER INFORMATION:  base through a linker moiety
US-08-123-449A-19

  Query Match             0.7%;  Score 19;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 578
US-08-458-050-19
; Sequence 19, Application US/08458050
; Patent No. 5677289
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/458,050
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/123,449
;      FILING DATE:  17-SEP-1993
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
```

```
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  1-4
;      OTHER INFORMATION:  A is linked by 2',5'-linkage
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  4
;      OTHER INFORMATION:  A is linked at 2' end to following
;      OTHER INFORMATION:  base through a linker moiety
US-08-458-050-19

  Query Match             0.7%;  Score 19;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 579
US-08-847-844A-94
; Sequence 94, Application US/08847844A
; Patent No. 6150160
;  GENERAL INFORMATION:
;    APPLICANT:  KAZAZIAN JR., HAIG H.
;    APPLICANT:  BOEKE, JEF D.
;    APPLICANT:  MORAN, JOHN V.
;    APPLICANT:  DOMBROSKI, BETH A.
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS OF USE OF
;    TITLE OF INVENTION:  MAMMALIAN RETROTRANSPOSONS
;    NUMBER OF SEQUENCES:  137
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PANITCH SCHWARZE JACOBS & NADEL, P.C.
;      STREET:  ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND FL.
;      CITY:  PHILADELPHIA
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103-7086
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/847,844A
;      FILING DATE:  28-APR-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/749,805
;      FILING DATE:  16-NOV-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/006,831
;      FILING DATE:  16-NOV-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DOYLE LEARY Ph.D., KATHRYN
;      REGISTRATION NUMBER:  36,317
;      REFERENCE/DOCKET NUMBER:  9596-23U2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-567-2020
;      TELEFAX:  215-567-2991
;  INFORMATION FOR SEQ ID NO:  94:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  RNA (genomic)
US-08-847-844A-94

  Query Match             0.7%;  Score 19;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 580
US-08-950-196-19
; Sequence 19, Application US/08950196
; Patent No. 6271369
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/950,196
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449
;      FILING DATE:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  1-4
;      OTHER INFORMATION:  A is linked by 2',5'-linkage
;    FEATURE:
;      NAME/KEY:  miscellaneous feature
;      LOCATION:  4
;      OTHER INFORMATION:  A is linked at 2' end to following
;      OTHER INFORMATION:  base through a linker moiety
US-08-950-196-19

  Query Match             0.7%;  Score 19;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 581
US-09-720-201A-25
; Sequence 25, Application US/09720201A
; Patent No. 6524853
; GENERAL INFORMATION:
;  APPLICANT: KOHARA, MICHINORI
;  APPLICANT:  KOHARA, KYOKO
;  APPLICANT:  TAIRA, KAZUNARI
;  APPLICANT:  MATSUZAKI, JUNICHI
;  APPLICANT:  OHMORI, HIROSHI
;  TITLE OF INVENTION: A VECTOR EXPRESSING AN RNA VIRAL FULL-LENGTH GENE AND
;  TITLE OF INVENTION:  ITS USE
;  FILE REFERENCE: 04853.0051-00000
;  CURRENT APPLICATION NUMBER: US/09/720,201A
;  CURRENT FILING DATE:  2000-12-22
;  PRIOR APPLICATION NUMBER: JP 98/177,820
;  PRIOR FILING DATE: 1998-06-24
;  PRIOR APPLICATION NUMBER: PCT/JP99/03381
;  PRIOR FILING DATE: 1999-06-24
;  NUMBER OF SEQ ID NOS: 25
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 25
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Poly A
;   OTHER INFORMATION: nucleotide sequence
US-09-720-201A-25

  Query Match             0.7%;  Score 19;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.5e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 582
US-08-621-914A-4
; Sequence 4, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 4.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTT 2181
              ||||||||||||||||||||
Db          4 TCCTTTTTTTTTTTTTTTT 22


RESULT 583
US-09-056-052-7
; Sequence 7, Application US/09056052
; Patent No. 6090556
; GENERAL INFORMATION:
;  APPLICANT: Kato, Kikuya
;  TITLE OF INVENTION: Adaptor-Tagged Competitive PCR
;  FILE REFERENCE: 07898/026001
;  CURRENT APPLICATION NUMBER: US/09/056,052
;  CURRENT FILING DATE: 1998-04-06
;  EARLIER APPLICATION NUMBER: JP88495/1997
;  EARLIER FILING DATE: 1997-04-07
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-056-052-7

  Query Match             0.7%;  Score 19;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 4.1e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTT 2181
              ||||||||||||||||||||
Db          4 TCCTTTTTTTTTTTTTTTT 22


RESULT 584
US-09-721-154-4/c
; Sequence 4, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
;  APPLICANT: Vaisberg, Eugeni
;  APPLICANT:  Adams, Cynthia
;  APPLICANT:  Sabry, James
;  APPLICANT:  Crompton, Anne
;  TITLE OF INVENTION: Database system including computer code
;  TITLE OF INVENTION:  for predictive cellular bioinformatics
;  FILE REFERENCE: CytoP007C2
;  CURRENT APPLICATION NUMBER: US/09/721,154
;  CURRENT FILING DATE:  2002-06-14
;  PRIOR APPLICATION NUMBER: 09/311,996
;  PRIOR FILING DATE: 1999-05-14
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 24
```

```
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Psuedo-sequence
US-09-721-154-4

  Query Match             0.7%;  Score 19;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         24 AAAAAAAAAAAAAAAAAAA 6


RESULT 585
US-09-380-420C-11
; Sequence 11, Application US/09380420C
; Patent No. 6300544
;   GENERAL INFORMATION:
;        APPLICANT: Halkier, Barbara
;                   Bak, Soren
;                   Kahn, Rachel
;                   Moller, Birger
;        TITLE OF INVENTION: Cytochrome P450 Monooxygenases
;        NUMBER OF SEQUENCES: 23
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Syngenta Patent Dept.
;             STREET: 3054 Cornwallis Road
;             CITY: RTP
;             STATE: NC
;             COUNTRY: USA
;             ZIP: 27709
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/380,420C
;             FILING DATE: 12-No. 6300544-1999
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Meigs, J. Timothy
;             REGISTRATION NUMBER: 38,241
;             REFERENCE/DOCKET NUMBER: S-21251A
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 919-541-8587
;   INFORMATION FOR SEQ ID NO: 11:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 25 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-380-420C-11

  Query Match             0.7%;  Score 19;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 5.4e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTT 2181
              |||||||||||||||||||
Db          6 TCCTTTTTTTTTTTTTTTT 24


RESULT 586
US-09-899-642A-11
; Sequence 11, Application US/09899642A
; Patent No. 6649814
;   GENERAL INFORMATION:
;        APPLICANT: Halkier, Barbara
;                   Bak, Soren
;                   Kahn, Rachel
;                   Moller, Birger
;        TITLE OF INVENTION: Cytochrome P450 Monooxygenases
;        NUMBER OF SEQUENCES: 23
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Syngenta Patent Dept.
;             STREET: 3054 Cornwallis Road
;             CITY: RTP
;             STATE: NC
;             COUNTRY: USA
;             ZIP: 27709
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/899,642A
;             FILING DATE: 05-Jul-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/380,420
;             FILING DATE: 12-No. 6649814-1999
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Meigs, J. Timothy
;             REGISTRATION NUMBER: 38,241
;             REFERENCE/DOCKET NUMBER: S-21251A
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 919-541-8587
;   INFORMATION FOR SEQ ID NO: 11:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 25 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-899-642A-11

  Query Match             0.7%;  Score 19;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 5.4e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTT 2181
              |||||||||||||||||||
Db          6 TCCTTTTTTTTTTTTTTTT 24


RESULT 587
US-09-394-630-10
; Sequence 10, Application US/09394630
; Patent No. 6395306
; GENERAL INFORMATION:
;  APPLICANT: Cui, Xiangmin
;  APPLICANT:  Lu, Yuefeng
;  APPLICANT:  Pan Pacific Pharmaceutical, Inc.
;  TITLE OF INVENTION: Useful Properties of a Bee Venom Protein and Gene
;  TITLE OF INVENTION:  Encoding Same
;  FILE REFERENCE: 019049-000200US
;  CURRENT APPLICATION NUMBER: US/09/394,630
;  CURRENT FILING DATE:  1999-09-13
;  PRIOR APPLICATION NUMBER: US 60/100,172
;  PRIOR FILING DATE: 1998-09-14
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Oligo(dT)
US-09-394-630-10
```

```
  Query Match             0.7%;  Score 19;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 7.7e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||||
Db         10 CTTTTTTTTTTTTTTTTTT 28


RESULT 588
US-08-400-275-13/c
; Sequence 13, Application US/08400275
; Patent No. 5668295
;  GENERAL INFORMATION:
;    APPLICANT:  Wahab, Samir Z.
;    APPLICANT:  Malik, Vedpal S.
;    TITLE OF INVENTION:  PUTRESCINE N-METHYLTRANSFERASE,
;    TITLE OF INVENTION:  RECOMBINANT DNA MOLECULES ENCODING PUTRESCINE
;    TITLE OF INVENTION:  N-METHYLTRANSFERASE, AND TRANSGENIC TOBACCO PLANTS WITH
;    TITLE OF INVENTION:  ALTERED NICOTINE CONTENT
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Neave
;      STREET:  1251 Ave. of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10020
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/400,275
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/076,681
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/613,160
;      FILING DATE:  14-NOV-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Creason, Gary L
;      REGISTRATION NUMBER:  34,310
;      REFERENCE/DOCKET NUMBER:  PM-1696
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-596-9000
;      TELEFAX:  212-596-9090
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-08-400-275-13

  Query Match             0.7%;  Score 19;  DB 1;  Length 29;
  Best Local Similarity   100.0%;  Pred. No. 8.6e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db         29 AAAAAAAAAAAAAAAAAAA 11


RESULT 589
US-08-227-476-5
; Sequence 5, Application US/08227476
; Patent No. 6498025
;  GENERAL INFORMATION:
;    APPLICANT:  Miller, Jeffrey E.
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR cDNA
;    TITLE OF INVENTION:  SYNTHESIS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gray, Cary, Ames & Frye
;      STREET:  401 B Street, Suite 1700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92101-4297
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/227,476
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/989,851
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weseman, James C.
;      REGISTRATION NUMBER:  30,507
;      REFERENCE/DOCKET NUMBER:  P0023US0
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 699-3604
;      TELEFAX:  (619) 236-1048
;      TELEX:  910-335-1273
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
US-08-227-476-5

  Query Match             0.7%;  Score 19;  DB 1;  Length 29;
  Best Local Similarity   100.0%;  Pred. No. 8.6e+02;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 590
US-08-522-623-14/c
; Sequence 14, Application US/08522623
; Patent No. 5585242
;  GENERAL INFORMATION:
;    APPLICANT:  Khalil, Omar S.
;    APPLICANT:  Bouma, Stanley R.
;    APPLICANT:  Pabich, Edward K.
;    TITLE OF INVENTION:  METHOD AND DEVICE FOR DETECTION OF
;    TITLE OF INVENTION:  NUCLEIC ACID OR ANALYTE USING TOTAL INTERNAL REFLECTION
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

```
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/522,623
;       FILING DATE:
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/311,839
;       FILING DATE:
;       APPLICATION NUMBER:  US/07/863,553
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Brainard, Thomas D.
;       REGISTRATION NUMBER:  32,459
;       REFERENCE/DOCKET NUMBER:  5158.US.01
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (708) 937-4884
;       TELEFAX:  (708) 937-9556
;   INFORMATION FOR SEQ ID NO:  14:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  32 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     FEATURE:
;       NAME/KEY:  misc_feature
;       LOCATION:  32
US-08-522-623-14

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAAA 14


RESULT 591
PCT-US93-03256-14/c
; Sequence 14, Application PC/TUS9303256
;  GENERAL INFORMATION:
;    APPLICANT:  Abbott Laboratories
;    TITLE OF INVENTION:  METHOD AND DEVICE FOR DETECTION OF
;    TITLE OF INVENTION:  NUCLEIC ACID OR ANALYTE USING TOTAL INTERNAL REFLECTION
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn and WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/03256
;      FILING DATE:  19930506
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/863,553
;      FILING DATE:  06 APRIL 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brainard, Thomas D.
;      REGISTRATION NUMBER:  32,459
;      REFERENCE/DOCKET NUMBER:  5158.US.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708) 937-4884
;      TELEFAX:  (708) 937-2623
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  32
PCT-US93-03256-14

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAAA 14


RESULT 592
US-09-603-830-51
; Sequence 51, Application US/09603830
; Patent No. 6506564
; GENERAL INFORMATION:
;  APPLICANT:  Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION:  NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE:  4149-1-1-1-1
;  CURRENT APPLICATION NUMBER: US/09/603,830
;  CURRENT FILING DATE:  2000-06-26
;  PRIOR APPLICATION NUMBER:  60/031,809
;  PRIOR FILING DATE:  1996-07-29
;  PRIOR APPLICATION NUMBER:  PCT/US97/12783
;  PRIOR FILING DATE:  1997-07-21
;  PRIOR APPLICATION NUMBER:  09/240,755
;  PRIOR FILING DATE:  1999-01-29
;  PRIOR APPLICATION NUMBER:  09/344,667
;  PRIOR FILING DATE:  1999-06-25
;  PRIOR APPLICATION NUMBER:  60/200,161
;  PRIOR FILING DATE:  2000-04-26
;  NUMBER OF SEQ ID NOS:  64
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-603-830-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 593
US-09-976-978A-51
; Sequence 51, Application US/09976978A
; Patent No. 6532097
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
```

```
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i17
;  CURRENT APPLICATION NUMBER: US/09/976,978A
;  CURRENT FILING DATE:  2002-03-05
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-976-978A-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 594
US-09-961-949A-51
; Sequence 51, Application US/09961949A
; Patent No. 6582921
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i1
;  CURRENT APPLICATION NUMBER: US/09/961,949A
;  CURRENT FILING DATE:  2001-09-20
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-961-949A-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 595
US-09-966-491A-51
; Sequence 51, Application US/09966491A
; Patent No. 6610491
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i4
;  CURRENT APPLICATION NUMBER: US/09/966,491A
;  CURRENT FILING DATE:  2002-03-12
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-966-491A-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 596
US-09-957-313A-51
; Sequence 51, Application US/09957313A
; Patent No. 6645721
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
```

```
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i3
;  CURRENT APPLICATION NUMBER: US/09/957,313A
;  CURRENT FILING DATE:  2002-03-05
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-957-313A-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 597
US-09-966-312-51
; Sequence 51, Application US/09966312
; Patent No. 6673548
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i5
;  CURRENT APPLICATION NUMBER: US/09/966,312
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-966-312-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 598
US-09-975-062A-51
; Sequence 51, Application US/09975062A
; Patent No. 6677122
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i11
;  CURRENT APPLICATION NUMBER: US/09/975,062A
;  CURRENT FILING DATE:  2001-10-11
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-975-062A-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAAA 19


RESULT 599
US-09-976-971A-51
; Sequence 51, Application US/09976971A
; Patent No. 6682895
; GENERAL INFORMATION:
;  APPLICANT: Mirkin, Chad A.
;  APPLICANT:  Letsinger, Robert L.
;  APPLICANT:  Mucic, Robert C.
;  APPLICANT:  Storhoff, James J.
;  APPLICANT:  Elghanian, Robert
;  APPLICANT:  Taton, Thomas A.
;  TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
```

```
;  TITLE OF INVENTION:  AND USES THEREFOR
;  FILE REFERENCE: 00-713-i18
;  CURRENT APPLICATION NUMBER: US/09/976,971A
;  CURRENT FILING DATE:  2001-10-12
;  PRIOR APPLICATION NUMBER: 09/603,830
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 09/344,667
;  PRIOR FILING DATE: 1999-06-25
;  PRIOR APPLICATION NUMBER: 09/240,755
;  PRIOR FILING DATE: 1999-01-29
;  PRIOR APPLICATION NUMBER: PCT/US97/12783
;  PRIOR FILING DATE: 1997-07-21
;  PRIOR APPLICATION NUMBER: 60/031,809
;  PRIOR FILING DATE: 1996-07-29
;  PRIOR APPLICATION NUMBER: 60/200,161
;  PRIOR FILING DATE: 2000-04-26
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: Microsoft Word 2000
; SEQ ID NO 51
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:random
;   OTHER INFORMATION: synthetic sequence
US-09-976-971A-51

  Query Match             0.7%;  Score 19;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db             1 AAAAAAAAAAAAAAAAAAA 19


RESULT 600
US-09-522-217-27/c
; Sequence 27, Application US/09522217
; Patent No. 6307024
; GENERAL INFORMATION:
;  APPLICANT: No. 6307024ak, Julia E.
;  APPLICANT: Presnell, Scott R.
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT: Foster, Donald C.
;  APPLICANT: Holly, Richard D.
;  APPLICANT: Gross, Jane A.
;  APPLICANT: Johnston, Janet V.
;  APPLICANT: Nelson, Andrew J.
;  APPLICANT: Dillon, Stacey R.
;  APPLICANT: Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/522,217
;  CURRENT FILING DATE: 2000-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,547
;  EARLIER FILING DATE: 1999-03-09
;  EARLIER APPLICATION NUMBER: US 60/123,904
;  EARLIER FILING DATE: 1999-03-11
;  EARLIER APPLICATION NUMBER: US 60/142,013
;  EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 27
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC18698
US-09-522-217-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 34;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db            34 AAAAAAAAAAAAAAAAAAA 16


RESULT 601
US-09-923-246-27/c
; Sequence 27, Application US/09923246
; Patent No. 6605272
; GENERAL INFORMATION:
;  APPLICANT: No. 6605272ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/09/923,246
;  CURRENT FILING DATE:  2001-08-03
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/522,217
;  PRIOR FILING DATE: EARLIER FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: EARLIER FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 27
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC18698
US-09-923-246-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 34;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db            34 AAAAAAAAAAAAAAAAAAA 16


RESULT 602
US-10-295-723-27/c
; Sequence 27, Application US/10295723
; Patent No. 6686178
; GENERAL INFORMATION:
;  APPLICANT: No. 6686178ak, Julia E.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Sprecher, Cindy A.
;  APPLICANT:  Foster, Donald C.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Gross, Jane A.
;  APPLICANT:  Johnston, Janet V.
;  APPLICANT:  Nelson, Andrew J.
;  APPLICANT:  Dillon, Stacey R.
;  APPLICANT:  Hammond, Angela K.
;  TITLE OF INVENTION: NOVEL CYTOKINE ZALPHA11 LIGAND
;  FILE REFERENCE: 99-16
;  CURRENT APPLICATION NUMBER: US/10/295,723
;  CURRENT FILING DATE:  2002-11-15
;  PRIOR APPLICATION NUMBER: 09/522,217
;  PRIOR FILING DATE: 2000-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,547
```

```
;  PRIOR FILING DATE: 1999-03-09
;  PRIOR APPLICATION NUMBER: US 60/123,904
;  PRIOR FILING DATE: 1999-03-11
;  PRIOR APPLICATION NUMBER: US 60/142,013
;  PRIOR FILING DATE: 1999-07-01
;  NUMBER OF SEQ ID NOS: 115
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 27
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer ZC18698
US-10-295-723-27

  Query Match             0.7%;  Score 19;  DB 1;  Length 34;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||||||
Db         34 AAAAAAAAAAAAAAAAAAA 16


RESULT 603
US-08-173-489C-19/c
; Sequence 19, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  35 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;      DESCRIPTION:  n-myc gene (Accession # Y00664)
;      DESCRIPTION:  nucleotides 4691 to 4725
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    PUBLICATION INFORMATION:
;      AUTHORS:  Ibson, J M,  Rabbitts, P H.
;      TITLE:  Sequence of a germ-line N-myc
; Patent No. 5861244
;      TITLE:  gene and amplification as a mechanism of
;      TITLE:  activation
;      JOURNAL:  Oncogene
;      VOLUME:  2
;      PAGES:  399-402
;      DATE:  1988
;      RELEVANT RESIDUES IN SEQ ID NO:  19 :FROM 1 TO 35
US-08-173-489C-19

  Query Match             0.7%;  Score 19;  DB 1;  Length 35;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              |||||||||||||||||||
Db         35 GAAAAAAAAAAAAAAAAAA 17


RESULT 604
US-09-750-401-28
; Sequence 28, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
;   LENGTH: 27
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of CTCF
US-09-750-401-28

  Query Match             0.7%;  Score 18.6;  DB 1;  Length 27;
  Best Local Similarity   12.0%;  Pred. No. 8.2e+02;
  Matches    3;  Conservative   18;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2152 TGATTTTTTTCTCCTTTTTTTTTTT 2176
              : | :::::::|:| ::::::: :::
Db          3 UUAAUUUUUUCUCUUUUUUUUCUUU 27


RESULT 605
US-07-912-900-20
; Sequence 20, Application US/07912900
; Patent No. 5349125
;  GENERAL INFORMATION:
;    APPLICANT:  Holton, Timothy A.
;    APPLICANT:  Cornish, Edwina C.
;    APPLICANT:  Kovacic, Filippa
;    APPLICANT:  Tanaka, Yoshikazu
;    APPLICANT:  Lester, Diane R.
;    TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING FLAVONOID
;    TITLE OF INVENTION:  PATHWAY ENZYMES AND USES THEREFOR
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
```

```
;       STATE:  New York
;       COUNTRY:  U.S.A.
;       ZIP:  11530
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/912,900
;       FILING DATE:  19920713
;       CLASSIFICATION:  800
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  DiGiglio, Frank S.
;       REGISTRATION NUMBER:  31,346
;       REFERENCE/DOCKET NUMBER:  8633
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (516) 742-4343
;       TELEFAX:  (516) 742-4366
;       TELEX:  230 901 SANS UR
;   INFORMATION FOR SEQ ID NO:  20:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-07-912-900-20

  Query Match             0.7%;  Score 18.4;  DB 1;  Length 20;
  Best Local Similarity   95.0%;  Pred. No. 3.3e+02;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTTAAC 2189
                ||||||||||||||||||  |
Db          1 TTTTTTTTTTTTTTTTTAGC 20


RESULT 606
US-08-285-309-20
; Sequence 20, Application US/08285309
; Patent No. 5569832
;  GENERAL INFORMATION:
;    APPLICANT:  Holton, Timothy A.
;    APPLICANT:  Cornish, Edwina C.
;    APPLICANT:  Kovacic, Filippa
;    APPLICANT:  Tanaka, Yoshikazu
;    APPLICANT:  Lester, Diane R.
;    TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING A 3,5'-
;    TITLE OF INVENTION:  HYDROXYLASE AND USES
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/285,309
;      FILING DATE:  03-AUG-1994
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8633Z
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-285-309-20

  Query Match             0.7%;  Score 18.4;  DB 1;  Length 20;
  Best Local Similarity   95.0%;  Pred. No. 3.3e+02;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTTAAC 2189
                ||||||||||||||||||  |
Db          1 TTTTTTTTTTTTTTTTTAGC 20


RESULT 607
US-08-313-075A-11
; Sequence 11, Application US/08313075A
; Patent No. 5639870
;  GENERAL INFORMATION:
;    APPLICANT:  Holton, Timothy A.
;    APPLICANT:  Cornish, Edwina C.
;    APPLICANT:  Tanaka, Yoshikazu
;    TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING FLAVONOID
;    TITLE OF INVENTION:  PATHWAY ENZYMES AND USES THEREFOR
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/313,075A
;      FILING DATE:  30-NOV-1994
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  AU PL 1538/92
;      FILING DATE:  27-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  AU PL 6698/93
;      FILING DATE:  07-JAN-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  AU PCT/AU93/00127
;      FILING DATE:  25-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  9433
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-313-075A-11
```

```
  Query Match             0.7%;  Score 18.4;  DB 1;  Length 20;
  Best Local Similarity   95.0%;  Pred. No. 3.3e+02;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTAAC 2189
              ||||||||||||||||||  |
Db          1 TTTTTTTTTTTTTTTTAGC 20


RESULT 608
US-08-502-046-20
; Sequence 20, Application US/08502046
; Patent No. 5861487
;  GENERAL INFORMATION:
;    APPLICANT:  Holton, Timothy A.
;    APPLICANT:  Cornish, Edwina C.
;    APPLICANT:  Kovacic, Filippa
;    APPLICANT:  Tanaka, Yoshikazu
;    APPLICANT:  Lester, Diane R.
;    TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING A 3,5'-
;    TITLE OF INVENTION:  HYDROXYLASE AND USES
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/502,046
;      FILING DATE:  14-JUL-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/285,309
;      FILING DATE:  03-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8633Z
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-502-046-20

  Query Match             0.7%;  Score 18.4;  DB 1;  Length 20;
  Best Local Similarity   95.0%;  Pred. No. 3.3e+02;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTAAC 2189
              ||||||||||||||||||  |
Db          1 TTTTTTTTTTTTTTTTAGC 20


RESULT 609
US-08-108-591B-4/c
; Sequence 4, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-4

  Query Match             0.7%;  Score 18.4;  DB 1;  Length 20;
  Best Local Similarity   95.0%;  Pred. No. 3.3e+02;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||| |||||
Db         20 CTTTTTTTTTTTTCTTTTT 1


RESULT 610
US-09-588-950A-5
; Sequence 5, Application US/09588950A
; Patent No. 6399305
; GENERAL INFORMATION:
;  APPLICANT: Makino, Yoshihiko
;  APPLICANT:  Abe, Yoshihiko
;  APPLICANT:  Ogawa, Masashi
;  APPLICANT:  Takagi, Makoto
;  APPLICANT:  Takenaka, Shigeori
;  APPLICANT:  Yamashita, Kenichi
;  TITLE OF INVENTION: Protection of Partial Complementary Nucleic Acid Fragment Using ar
;  TITLE OF INVENTION:  Electroconductive Chip and Intercalator
;  FILE REFERENCE: JG-YY-4980/500569.20039
;  CURRENT APPLICATION NUMBER: US/09/588,950A
;  CURRENT FILING DATE:  2000-06-07
;  PRIOR APPLICATION NUMBER: Japan 11-159339
;  PRIOR FILING DATE: 1999-06-07
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthesized
US-09-588-950A-5

  Query Match             0.7%;  Score 18.4;  DB 1;  Length 20;
  Best Local Similarity   95.0%;  Pred. No. 3.3e+02;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2185
              ||||||||||| |||||||||
Db          1 TTTTTTTTTTATTTTTTTT 20


RESULT 611
US-08-978-321-1
; Sequence 1, Application US/08978321
; Patent No. 6162437
;  GENERAL INFORMATION:
;    APPLICANT:  PYUN, Kwang-Ho
;    APPLICANT:  CHOI, Inpyo
;    APPLICANT:  KANG, Hyung-Sik
;    APPLICANT:  LEE, Jung-Joon
;    APPLICANT:  KIM, Young-Ho
```

```
;    TITLE OF INVENTION:  METHOD FOR INHIBITING INTERLEUKIN-6
;    TITLE OF INVENTION:  PRODUCTION BY ADMINISTERING EXTRACTS
;    TITLE OF INVENTION:  FROM ROOT OF STEPHANIA TETRANDRA
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PYUN, Kwang-Ho
;      STREET:  Woosung Apt. 5-406, Dogok-dong, Kangnam-ku
;      CITY:  Seoul
;      STATE:  Seoul
;      COUNTRY:  Republic of Korea
;      ZIP:  135-270
;      ADDRESSEE:  CHOI, Inpyo
;      STREET:  Dasol Apt. 103-204, Kung-dong, Yusong-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  305-335
;      ADDRESSEE:  KANG, Hyung-Sik
;      STREET:  Jonweon Apt. 102-1401, Weolpyung-dong, Seo-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  302-280
;      ADDRESSEE:  LEE, Jung-Joon
;      STREET:  Hanbit Apt. 132-201, Eoeun-dong, Yusong-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  305-333
;      ADDRESSEE:  KIM, Young-Ho
;      STREET:  Hanbit Apt. 125-1504, Eoeun-dong, Yusong-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  305-333
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 MB storage
;      COMPUTER:  IBM PC/AT
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/978,321
;      FILING DATE:  25-NOV-1997
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  KR 94-12962
;      FILING DATE:  09-JUN-1994
;      APPLICATION NUMBER:  USSN 08/750,462
;      FILING DATE:  06-DEC-1996
;      APPLICATION NUMBER:  PCT/KR95/00073
;      FILING DATE:  05-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:
;      TELEFAX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-978-321-1

  Query Match             0.7%;  Score 18.4;  DB 1;  Length 26;
  Best Local Similarity   95.0%;  Pred. No. 7.9e+02;
  Matches   19;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTT 2183
              | ||||||||||||||||||
```

```
Db          7 CGTTTTTTTTTTTTTTTTT 26


RESULT 612
US-08-881-784-18
; Sequence 18, Application US/08881784
; Patent No. 6083731
;  GENERAL INFORMATION:
;    APPLICANT:  Croteau, Rodney B.
;    APPLICANT:  Lupien, Shari L.
;    APPLICANT:  Karp, Frank
;    TITLE OF INVENTION:  RECOMBINANT MATERIALS AND METHODS FOR
;    TITLE OF INVENTION:  THE PRODUCTION OF LIMONENE HYDROXYLASES
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Christensen, O'Connor, Johnson and Kindness
;      ADDRESSEE:  PLLC
;      STREET:  1420 Fifth Avenue, Suite 2800
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/881,784
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Shelton, Dennis K.
;      REGISTRATION NUMBER:  26,997
;      REFERENCE/DOCKET NUMBER:  WSUR19777
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 224-0718
;      TELEFAX:  (206) 224-0779
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1..19
;      OTHER INFORMATION:  /product= "Primer 3.B (Table 1)"
US-08-881-784-18

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 19;
  Best Local Similarity   94.7%;  Pred. No. 3.1e+02;
  Matches   18;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||:
Db          1 TTTTTTTTTTTTTTTTTTH 19


RESULT 613
US-08-881-784-18/c
; Sequence 18, Application US/08881784
; Patent No. 6083731
;  GENERAL INFORMATION:
;    APPLICANT:  Croteau, Rodney B.
;    APPLICANT:  Lupien, Shari L.
;    APPLICANT:  Karp, Frank
;    TITLE OF INVENTION:  RECOMBINANT MATERIALS AND METHODS FOR
;    TITLE OF INVENTION:  THE PRODUCTION OF LIMONENE HYDROXYLASES
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Christensen, O'Connor, Johnson and Kindness
```

```
;       ADDRESSEE:  PLLC
;       STREET:  1420 Fifth Avenue, Suite 2800
;       CITY:  Seattle
;       STATE:  WA
;       COUNTRY:  USA
;       ZIP:  98101
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/881,784
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Shelton, Dennis K.
;       REGISTRATION NUMBER:  26,997
;       REFERENCE/DOCKET NUMBER:  WSUR19777
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (206) 224-0718
;       TELEFAX:  (206) 224-0779
;   INFORMATION FOR SEQ ID NO:  18:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     FEATURE:
;       NAME/KEY:  misc_feature
;       LOCATION:  1..19
;       OTHER INFORMATION:  /product= "Primer 3.B (Table 1)"
US-08-881-784-18

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 19;
  Best Local Similarity   94.7%;  Pred. No. 3.1e+02;
  Matches   18;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              :||||||||||||||||||
Db         19 DAAAAAAAAAAAAAAAAAA 1


RESULT 614
US-09-292-768-18
; Sequence 18, Application US/09292768
; Patent No. 6194185
; GENERAL INFORMATION:
;  APPLICANT: Croteau, Rodney B
;  APPLICANT: Lupien, Shari L
;  APPLICANT: Karp, Frank
;  TITLE OF INVENTION: RECOMBINANT MATERIALS AND METHODS FOR THE PRODUCTION OF
;  TITLE OF INVENTION: LIMONENE HYDROXYLASES
;  FILE REFERENCE: wsur13463
;  CURRENT APPLICATION NUMBER: US/09/292,768
;  CURRENT FILING DATE: 1999-04-14
;  EARLIER APPLICATION NUMBER: 08/881,784
;  EARLIER FILING DATE: 1997-06-24
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer 3.B
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: Oligonucleotide primer that primes the polyA tail
;   OTHER INFORMATION: on cDNA molecules
US-09-292-768-18

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 19;
  Best Local Similarity   94.7%;  Pred. No. 3.1e+02;
  Matches   18;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||||||||||||||||||:
Db          1 TTTTTTTTTTTTTTTTTH 19


RESULT 615
US-09-292-768-18/c
; Sequence 18, Application US/09292768
; Patent No. 6194185
; GENERAL INFORMATION:
;  APPLICANT: Croteau, Rodney B
;  APPLICANT: Lupien, Shari L
;  APPLICANT: Karp, Frank
;  TITLE OF INVENTION: RECOMBINANT MATERIALS AND METHODS FOR THE PRODUCTION OF
;  TITLE OF INVENTION: LIMONENE HYDROXYLASES
;  FILE REFERENCE: wsur13463
;  CURRENT APPLICATION NUMBER: US/09/292,768
;  CURRENT FILING DATE: 1999-04-14
;  EARLIER APPLICATION NUMBER: 08/881,784
;  EARLIER FILING DATE: 1997-06-24
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer 3.B
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: Oligonucleotide primer that primes the polyA tail
;   OTHER INFORMATION: on cDNA molecules
US-09-292-768-18

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 19;
  Best Local Similarity   94.7%;  Pred. No. 3.1e+02;
  Matches   18;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              :||||||||||||||||||
Db         19 DAAAAAAAAAAAAAAAAAA 1


RESULT 616
US-08-018-129-15
; Sequence 15, Application US/08018129
; Patent No. 5589375
;  GENERAL INFORMATION:
;    APPLICANT:  Ullrich, Axel
;    APPLICANT:  Vogel, Wolfgang
;    TITLE OF INVENTION:  PTP 1D: A NOVEL PROTEIN TYROSINE
;    TITLE OF INVENTION:  PHOSPHATASE
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 Avenue of Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/018,129
```

```
;      FILING DATE:  19930216
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  7683-017
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-018-129-15

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 23;
  Best Local Similarity   87.0%;  Pred. No. 5.9e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTTT 2184
              |||   ||||||||||||||||||
Db          1 CTCGAGTTTTTTTTTTTTTTTT 23


RESULT 617
US-07-869-933-7/c
; Sequence 7, Application US/07869933
; Patent No. 5770396
;  GENERAL INFORMATION:
;    APPLICANT:  KINET, Jean-Pierre
;    TITLE OF INVENTION:  ISOLATION, CHARACTERIZATION, AND USE OF
;    TITLE OF INVENTION:  THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
;    TITLE OF INVENTION:  IMMUNOGLOBULIN
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/869,933
;      FILING DATE:  19920416
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  40399/154 NIHD
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-07-869-933-7

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 23;
  Best Local Similarity   87.0%;  Pred. No. 5.9e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTTT 2186
              | ||||||||||||||| |||| ||
Db         23 CATTTTTTTTTTTTTGTTTTATT 1


RESULT 618
US-08-448-250-15
; Sequence 15, Application US/08448250
; Patent No. 5981251
;  GENERAL INFORMATION:
;    APPLICANT:  Ullrich, Axel
;    APPLICANT:  Vogel, Wolfgang
;    TITLE OF INVENTION:  PTP 1D: A NOVEL PROTEIN TYROSINE
;    TITLE OF INVENTION:  PHOSPHATASE
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 Avenue of Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/448,250
;      FILING DATE:  23-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/018,129
;      FILING DATE:  16-FEB-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  7683-017
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-448-250-15

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 23;
  Best Local Similarity   87.0%;  Pred. No. 5.9e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTTT 2184
              |||   ||||||||||||||||||
Db          1 CTCGAGTTTTTTTTTTTTTTTT 23


RESULT 619
US-09-057-328-6
; Sequence 6, Application US/09057328
; Patent No. 6080576
;  GENERAL INFORMATION:
;    APPLICANT:  Zambrowicz, Brian
;    APPLICANT:  Friedrich, Glenn
;    APPLICANT:  Sands, Arthur T.
;    TITLE OF INVENTION:  VECTORS FOR GENE TRAPPING
;    TITLE OF INVENTION:  AND GENE ACTIVATION
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Pennie & Edmonds, LLP
;       STREET:  1155 Avenue of the Americas
;       CITY:  New York
;       STATE:  NY
;       COUNTRY:  USA
;       ZIP:  10036-2811
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  Windows
;       SOFTWARE:  FastSEQ for Windows Version 2.0b
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/057,328
;       FILING DATE:  08-APR-1998
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Coruzzi, Laura A
;       REGISTRATION NUMBER:  30,742
;       REFERENCE/DOCKET NUMBER:  8535-0020-999
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  650-493-4935
;       TELEFAX:  650-493-5556
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  23 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-057-328-6

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 23;
  Best Local Similarity   87.0%;  Pred. No. 5.9e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1999 CTAGCTTCTTCAGAGATCAAGTC 2021
              | ||  ||||||||||||||||||
Db          1 CCAGAGTCTTCAGAGATCAAGTC 23


RESULT 620
US-09-103-663-7/c
; Sequence 7, Application US/09103663D
; Patent No. 6171803
; GENERAL INFORMATION:
;  APPLICANT: Kinet et al.
;  TITLE OF INVENTION: Isolation, characterization, and use of the human beta
;  TITLE OF INVENTION: subunit of the high affinity receptor for
;  TITLE OF INVENTION: immunoglobulin E.
;  FILE REFERENCE: 50490
;  CURRENT APPLICATION NUMBER: US/09/103,663D
;  CURRENT FILING DATE: 1998-06-23
;  EARLIER APPLICATION NUMBER: 07/869,933
;  EARLIER FILING DATE: 1992-04-16
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-103-663-7

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 23;
  Best Local Similarity   87.0%;  Pred. No. 5.9e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTTTT 2186
              | |||||||||||| |||| ||
Db         23 CATTTTTTTTTTTTGTTTTATT 1


RESULT 621
US-09-276-533A-22
; Sequence 22, Application US/09276533A
; Patent No. 6436707
; GENERAL INFORMATION:
;  APPLICANT: Zambrowicz, Brian
;  APPLICANT:  Friedrich, Glenn A.
;  APPLICANT:  Lilleberg, Stan
;  APPLICANT:  Sands, Arthur T.
;  TITLE OF INVENTION: VECTORS FOR GENE MUTAGENESIS AND GENE
;  TITLE OF INVENTION:  DISCOVERY
;  FILE REFERENCE: 07705-0006-00000
;  CURRENT APPLICATION NUMBER: US/09/276,533A
;  CURRENT FILING DATE:  2001-01-31
;  PRIOR APPLICATION NUMBER: US 60/079,729
;  PRIOR FILING DATE: 1998-03-27
;  PRIOR APPLICATION NUMBER: US 60/081,727
;  PRIOR FILING DATE: 1998-04-14
;  PRIOR APPLICATION NUMBER: US 60/109,302
;  PRIOR FILING DATE: 1998-11-20
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-276-533A-22

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 23;
  Best Local Similarity   87.0%;  Pred. No. 5.9e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1999 CTAGCTTCTTCAGAGATCAAGTC 2021
              | ||  ||||||||||||||||||
Db          1 CCAGAGTCTTCAGAGATCAAGTC 23


RESULT 622
US-09-282-257-15
; Sequence 15, Application US/09282257
; Patent No. 6548641
;  GENERAL INFORMATION:
;    APPLICANT:  Ullrich, Axel
;    APPLICANT:  Vogel, Wolfgang
;    TITLE OF INVENTION:  PTP 1D: A NOVEL PROTEIN TYROSINE
;    TITLE OF INVENTION:  PHOSPHATASE
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 Avenue of Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/282,257
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/018,129
;      FILING DATE:  16-FEB-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  7683-017
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-09-282-257-15

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 23;
  Best Local Similarity   87.0%;  Pred. No. 5.9e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTTTT 2184
              |||   ||||||||||||||||||
Db             1 CTCGAGTTTTTTTTTTTTTTTT 23


RESULT 623
US-08-115-497-1
; Sequence 1, Application US/08115497
; Patent No. 5514546
;  GENERAL INFORMATION:
;    APPLICANT:  Kool, Eric T.
;    TITLE OF INVENTION:  STEM-LOOP OLIGONUCLEOTIDES CONTAINING
;    TITLE OF INVENTION:  PARALLEL AND ANTIPARALLEL BINDING DOMAINS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/115,497
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8771
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-115-497-1

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 25;
  Best Local Similarity   87.0%;  Pred. No. 7.6e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTTTTT 2186
              |||||||||| | | ||||||||
Db             1 CCTTTTTTTTCTCTCTTTTTTTT 23


RESULT 624
US-08-466-670-1
; Sequence 1, Application US/08466670
; Patent No. 5808036
;  GENERAL INFORMATION:
;    APPLICANT:  Kool, Eric T.
;    TITLE OF INVENTION:  STEM-LOOP OLIGONUCLEOTIDES CONTAINING
;    TITLE OF INVENTION:  PARALLEL AND ANTIPARALLEL BINDING DOMAINS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/466,670
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/115,497
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8771
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-466-670-1

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 25;
  Best Local Similarity   87.0%;  Pred. No. 7.6e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTTTTT 2186
              |||||||||| | | ||||||||
Db             1 CCTTTTTTTTCTCTCTTTTTTTT 23


RESULT 625
US-08-291-011-10
; Sequence 10, Application US/08291011
; Patent No. 5936079
;  GENERAL INFORMATION:
;    APPLICANT:  Re, Richard N.
;    APPLICANT:  Cook, Julia
;    TITLE OF INVENTION:  INHIBITION OF CELLULAR PROLIFERATION BY
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR
;    TITLE OF INVENTION:  p53 PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCULLY, SCOTT, MURPHY & PRESSER
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
```

```
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/291,011
;       FILING DATE:  15-AUG-1994
;       CLASSIFICATION:  514
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  DiGiglio, Frank S.
;       REGISTRATION NUMBER:  31,346
;       REFERENCE/DOCKET NUMBER:  8515ZY
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (516) 742-4343
;       TELEFAX:  (516) 742-4366
;       TELEX:  230 901 SANS UR
;   INFORMATION FOR SEQ ID NO:  10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  26 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-291-011-10

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 26;
  Best Local Similarity   87.0%;  Pred. No. 8.6e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTTTT 2186
              ||||||||  |||||||  |||||
Db          2 CCTTTTTTCCTTTTTTTCTTTT 24


RESULT 626
US-09-266-065-10
; Sequence 10, Application US/09266065
; Patent No. 6303328
;  GENERAL INFORMATION:
;    APPLICANT:  Re, Richard N.
;    APPLICANT:  Cook, Julia
;    TITLE OF INVENTION:  INHIBITION OF CELLULAR PROLIFERATION BY
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR
;    TITLE OF INVENTION:  p53 PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCULLY, SCOTT, MURPHY & PRESSER
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/266,065
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/291,011
;      FILING DATE:  15-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8515ZY
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-266-065-10

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 26;
  Best Local Similarity   87.0%;  Pred. No. 8.6e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTTTT 2186
              ||||||||  |||||||  |||||
Db          2 CCTTTTTTCCTTTTTTTCTTTT 24


RESULT 627
US-09-935-247-10
; Sequence 10, Application US/09935247
; Patent No. 6645944
;  GENERAL INFORMATION:
;       APPLICANT: Re, Richard N.
;                  Cook, Julia
;       TITLE OF INVENTION: INHIBITION OF CELLULAR PROLIFERATION BY
;                           OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR
;                           p53 PROTEIN
;       NUMBER OF SEQUENCES: 13
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
;            STREET: 400 Garden City Plaza
;            CITY: Garden City
;            STATE: New York
;            COUNTRY: USA
;            ZIP: 11530
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/935,247
;            FILING DATE: 22-Aug-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/266,065
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: DiGiglio, Frank S.
;            REGISTRATION NUMBER: 31,346
;            REFERENCE/DOCKET NUMBER: 8515ZY
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (516) 742-4343
;            TELEFAX: (516) 742-4366
;            TELEX: 230 901 SANS UR
;  INFORMATION FOR SEQ ID NO: 10:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 26 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-935-247-10

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 26;
  Best Local Similarity   87.0%;  Pred. No. 8.6e+02;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTTTT 2186
              ||||||||  |||||||  |||||
Db          2 CCTTTTTTCCTTTTTTTCTTTT 24
```

```
RESULT 628
US-08-858-767-22/c
; Sequence 22, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-767-22

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 28;
  Best Local Similarity   87.0%;  Pred. No. 1.1e+03;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTA 2187
                ||||||||||||||||||   ||
Db         28 CTTTTTTTTTTTTTTTTGCCTA 6


RESULT 629
US-08-863-028-22/c
; Sequence 22, Application US/08863028
; Patent No. 5853991
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-22

  Query Match             0.6%;  Score 18.2;  DB 1;  Length 28;
  Best Local Similarity   87.0%;  Pred. No. 1.1e+03;
  Matches   20;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTTTA 2187
                ||||||||||||||||||   ||
Db         28 CTTTTTTTTTTTTTTTTGCCTA 6


RESULT 630
US-08-621-914A-16
; Sequence 16, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
```

```
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-16

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 631
US-08-621-914A-16/c
; Sequence 16, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-16

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 632
US-08-346-429-3
; Sequence 3, Application US/08346429
; Patent No. 5837820
;  GENERAL INFORMATION:
;    APPLICANT:  DeRose, Richard
;    APPLICANT:  Douce, Roland
;    APPLICANT:  Duval, Manuel
;    APPLICANT:  Job, Claudette
;    APPLICANT:  Job, Dominique
;    TITLE OF INVENTION:  PROTEIN CAPABLE OF BEING BIOTINYLATED WHICH CAN
;    TITLE OF INVENTION:  BE USED FOR DETERMINING THE GERMINATION STAGE OF
;    TITLE OF INVENTION:  A SEED
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCULLY SCOTT MURPHY & PRESSER
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/346,429
;      FILING DATE:  29-NOV-1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  9507
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  516-742-4343
;      TELEFAX:  516-742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-346-429-3

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAA 18


RESULT 633
US-08-346-429-3/c
; Sequence 3, Application US/08346429
; Patent No. 5837820
;  GENERAL INFORMATION:
;    APPLICANT:  DeRose, Richard
;    APPLICANT:  Douce, Roland
;    APPLICANT:  Duval, Manuel
;    APPLICANT:  Job, Claudette
;    APPLICANT:  Job, Dominique
;    TITLE OF INVENTION:  PROTEIN CAPABLE OF BEING BIOTINYLATED WHICH CAN
;    TITLE OF INVENTION:  BE USED FOR DETERMINING THE GERMINATION STAGE OF
;    TITLE OF INVENTION:  A SEED
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCULLY SCOTT MURPHY & PRESSER
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
```

```
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/346,429
;      FILING DATE:  29-NOV-1994
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  9507
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  516-742-4343
;      TELEFAX:  516-742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-346-429-3

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db         18 TTTTTTTTTTTTTTTTTT 1


RESULT 634
US-08-358-556A-12
; Sequence 12, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..18
US-08-358-556A-12

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 635
US-08-358-556A-12/c
; Sequence 12, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..18
```

```
US-08-358-556A-12

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 636
US-08-358-556A-18
; Sequence 18, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..18
US-08-358-556A-18

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAA 18


RESULT 637
```

```
US-08-358-556A-18/c
; Sequence 18, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..18
US-08-358-556A-18

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 638
US-08-469-852A-4
; Sequence 4, Application US/08469852A
; Patent No. 5874213
;  GENERAL INFORMATION:
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5874213ris LLP
;       STREET:  One Liberty Place - 46th Floor
;       CITY:  Philadelphia
;       STATE:  PA
;       COUNTRY:  U.S.A.
;       ZIP:  19103
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 6.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/469,852A
;       FILING DATE:  06-JUN-1995
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/295,509
;       FILING DATE:  24-AUG-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Michael P. Straher
;       REGISTRATION NUMBER:  38,325
;       REFERENCE/DOCKET NUMBER:  ISIS-2015
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-469-852A-4

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 639
US-08-469-852A-4/c
; Sequence 4, Application US/08469852A
; Patent No. 5874213
;  GENERAL INFORMATION:
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5874213ris LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/469,852A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/295,509
;      FILING DATE:  24-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Michael P. Straher
;      REGISTRATION NUMBER:  38,325
;      REFERENCE/DOCKET NUMBER:  ISIS-2015
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-469-852A-4

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 640
US-08-295-509B-4
; Sequence 4, Application US/08295509B
; Patent No. 6045995
;  GENERAL INFORMATION:
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 6045995ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/295,509B
;      FILING DATE:  24-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Michael P. Straher
;      REGISTRATION NUMBER:  38,325
;      REFERENCE/DOCKET NUMBER:  ISIS-1395
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-295-509B-4

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
```

```
Db          1 TTTTTTTTTTTTTTTTT 18


RESULT 641
US-08-295-509B-4/c
; Sequence 4, Application US/08295509B
; Patent No. 6045995
;  GENERAL INFORMATION:
;    APPLICANT:  Cummins, Lendell L.
;    APPLICANT:  Freier, Susan M.
;    APPLICANT:  Griffey, Richard
;    APPLICANT:  Srivatsa, Susan G.
;    TITLE OF INVENTION:  Capillary Electrophoretic Detection of
;    TITLE OF INVENTION:  Nucleic Acids
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 6045995ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/295,509B
;      FILING DATE:  24-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Michael P. Straher
;      REGISTRATION NUMBER:  38,325
;      REFERENCE/DOCKET NUMBER:  ISIS-1395
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-295-509B-4

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 642
US-08-884-029-9
; Sequence 9, Application US/08884029
; Patent No. 6071745
;  GENERAL INFORMATION:
;    APPLICANT:  Lin, Ching-I Patsy
;    APPLICANT:  Wallace, Robert Bruce
;    APPLICANT:  Cossman, Jeffrey
;    APPLICANT:  French, Cynthia
;    TITLE OF INVENTION:  Lyophilization of Cultured Human Cells
;    TITLE OF INVENTION:  to Preserve RNA and DNA
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,029
;      FILING DATE:  27-JUN-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parent, Annette S.
;      REGISTRATION NUMBER:  42,058
;      REFERENCE/DOCKET NUMBER:  02558B-059100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  13..18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "t at positions 13-18 may be
;      OTHER INFORMATION:  present or absent"
US-08-884-029-9

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 643
US-08-884-029-9/c
; Sequence 9, Application US/08884029
; Patent No. 6071745
;  GENERAL INFORMATION:
;    APPLICANT:  Lin, Ching-I Patsy
;    APPLICANT:  Wallace, Robert Bruce
;    APPLICANT:  Cossman, Jeffrey
;    APPLICANT:  French, Cynthia
;    TITLE OF INVENTION:  Lyophilization of Cultured Human Cells
;    TITLE OF INVENTION:  to Preserve RNA and DNA
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/884,029
;      FILING DATE:  27-JUN-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parent, Annette S.
;      REGISTRATION NUMBER:  42,058
;      REFERENCE/DOCKET NUMBER:  02558B-059100US
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  13..18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "t at positions 13-18 may be
;      OTHER INFORMATION:  present or absent"
US-08-884-029-9

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 644
US-08-941-445A-30
; Sequence 30, Application US/08941445A
; Patent No. 6107060
;  GENERAL INFORMATION:
;    APPLICANT:  Keeling, Peter
;    APPLICANT:  Guan, Hanping
;    TITLE OF INVENTION:  Starch Encapsulation
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Greenlee, Winner and Sullivan, P.C.
;      STREET:  5370 Manhattan Circle
;      CITY:  Boulder
;      STATE:  CO
;      COUNTRY:  US
;      ZIP:  80303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/941,445A
;      FILING DATE:  30-SEP-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/026,855
;      FILING DATE:  30-SEP-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Winner, Ellen P
;      REGISTRATION NUMBER:  28,547
;      REFERENCE/DOCKET NUMBER:  89-97
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (303) 499-8080
;      TELEFAX:  (303) 499-8089
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
US-08-941-445A-30

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 645
US-08-941-445A-30/c
; Sequence 30, Application US/08941445A
; Patent No. 6107060
;  GENERAL INFORMATION:
;    APPLICANT:  Keeling, Peter
;    APPLICANT:  Guan, Hanping
;    TITLE OF INVENTION:  Starch Encapsulation
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Greenlee, Winner and Sullivan, P.C.
;      STREET:  5370 Manhattan Circle
;      CITY:  Boulder
;      STATE:  CO
;      COUNTRY:  US
;      ZIP:  80303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/941,445A
;      FILING DATE:  30-SEP-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/026,855
;      FILING DATE:  30-SEP-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Winner, Ellen P
;      REGISTRATION NUMBER:  28,547
;      REFERENCE/DOCKET NUMBER:  89-97
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (303) 499-8080
;      TELEFAX:  (303) 499-8089
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
US-08-941-445A-30

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db         18 TTTTTTTTTTTTTTTTTT 1


RESULT 646
US-09-637-751A-7/c
; Sequence 7, Application US/09637751A
; Patent No. 6383754
; GENERAL INFORMATION:
;  APPLICANT:  Kaufman, Joseph C.
;  APPLICANT:  Roth, Matthew E.
;  APPLICANT:  Lizardi, Paul M.
;  APPLICANT:  Feng, Li
;  APPLICANT:  Latimer, Darin R.
;  TITLE OF INVENTION:  Binary Encoded Sequence Tags
```

```
; Patent No. 6383754
;  FILE REFERENCE:  AGL 100
;  CURRENT APPLICATION NUMBER: US/09/637,751A
;  CURRENT FILING DATE:  2000-08-11
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-637-751A-7

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAAA 2801
              ||||||||||||||||||
Db         18 TGAAAAAAAAAAAAAAAA 1


RESULT 647
US-09-545-225-9
; Sequence 9, Application US/09545225
; Patent No. 6410321
;   GENERAL INFORMATION:
;        APPLICANT: Lin, Ching-I Patsy
;                   Wallace, Robert Bruce
;                   Cossman, Jeffrey
;                   French, Cynthia
;        TITLE OF INVENTION: Lyophilization of Cultured Human Cells
;                            to Preserve RNA and DNA
;        NUMBER OF SEQUENCES: 9
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/545,225
;             FILING DATE: 07-Apr-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/884,029
;             FILING DATE: 27-JUN-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Parent, Annette S.
;             REGISTRATION NUMBER: 42,058
;             REFERENCE/DOCKET NUMBER: 02558B-059100US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 9:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  13..18
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "t at positions 13-18 may be
;             present or absent"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-545-225-9

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 648
US-09-545-225-9/c
; Sequence 9, Application US/09545225
; Patent No. 6410321
;   GENERAL INFORMATION:
;        APPLICANT: Lin, Ching-I Patsy
;                   Wallace, Robert Bruce
;                   Cossman, Jeffrey
;                   French, Cynthia
;        TITLE OF INVENTION: Lyophilization of Cultured Human Cells
;                            to Preserve RNA and DNA
;        NUMBER OF SEQUENCES: 9
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/545,225
;             FILING DATE: 07-Apr-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/884,029
;             FILING DATE: 27-JUN-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Parent, Annette S.
;             REGISTRATION NUMBER: 42,058
;             REFERENCE/DOCKET NUMBER: 02558B-059100US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 9:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  13..18
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "t at positions 13-18 may be
;             present or absent"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-545-225-9

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
```

```
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 649
US-09-619-103-24
; Sequence 24, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 24
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-24

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
             ||||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAAA 18


RESULT 650
US-09-619-103-24/c
; Sequence 24, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 24
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-24

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
             ||||||||||||||||||
Db         18 TTTTTTTTTTTTTTTTTT 1


RESULT 651
US-09-370-541-14
; Sequence 14, Application US/09370541
; Patent No. 6639062
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT: Prakash, Thazha P
;  APPLICANT: Kawasaki, Andrew M
;  TITLE OF INVENTION: Aminoxxy-Modified Nucleosidic Compounds And Oligomeric
;  TITLE OF INVENTION: Compounds Prepared Therefrom
;  FILE REFERENCE: ISIS3993
;  CURRENT APPLICATION NUMBER: US/09/370,541
;  CURRENT FILING DATE: 1999-08-09
;  EARLIER APPLICATION NUMBER: 09/130,973
;  EARLIER FILING DATE: 1998-08-07
;  EARLIER APPLICATION NUMBER: 09/016,520
;  EARLIER FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  EARLIER APPLICATION NUMBER: 09/344,260
;  EARLIER FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: sequence
US-09-370-541-14

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
             ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 652
US-09-370-541-14/c
; Sequence 14, Application US/09370541
; Patent No. 6639062
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT: Prakash, Thazha P
;  APPLICANT: Kawasaki, Andrew M
;  TITLE OF INVENTION: Aminoxxy-Modified Nucleosidic Compounds And Oligomeric
;  TITLE OF INVENTION: Compounds Prepared Therefrom
;  FILE REFERENCE: ISIS3993
;  CURRENT APPLICATION NUMBER: US/09/370,541
;  CURRENT FILING DATE: 1999-08-09
;  EARLIER APPLICATION NUMBER: 09/130,973
;  EARLIER FILING DATE: 1998-08-07
;  EARLIER APPLICATION NUMBER: 09/016,520
;  EARLIER FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  EARLIER APPLICATION NUMBER: 09/344,260
;  EARLIER FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: sequence
US-09-370-541-14

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
```

```
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 653
US-10-125-295-9
; Sequence 9, Application US/10125295
; Patent No. 6686460
;   GENERAL INFORMATION:
;        APPLICANT: Lin, Ching-I Patsy
;                   Wallace, Robert Bruce
;                   Cossman, Jeffrey
;                   French, Cynthia
;        TITLE OF INVENTION: Lyophilization of Cultured Human Cells
;                            to Preserve RNA and DNA
;        NUMBER OF SEQUENCES: 9
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/125,295
;             FILING DATE: 17-Apr-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/545,225
;             FILING DATE: 07-Apr-2000
;             APPLICATION NUMBER: US 08/884,029
;             FILING DATE: 27-JUN-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Parent, Annette S.
;             REGISTRATION NUMBER: 42,058
;             REFERENCE/DOCKET NUMBER: 02558B-059100US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 9:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  13..18
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "t at positions 13-18 may be
;             present or absent"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-125-295-9

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 654
US-10-125-295-9/c
; Sequence 9, Application US/10125295
; Patent No. 6686460
;   GENERAL INFORMATION:
;        APPLICANT: Lin, Ching-I Patsy
;                   Wallace, Robert Bruce
;                   Cossman, Jeffrey
;                   French, Cynthia
;        TITLE OF INVENTION: Lyophilization of Cultured Human Cells
;                            to Preserve RNA and DNA
;        NUMBER OF SEQUENCES: 9
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/125,295
;             FILING DATE: 17-Apr-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/545,225
;             FILING DATE: 07-Apr-2000
;             APPLICATION NUMBER: US 08/884,029
;             FILING DATE: 27-JUN-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Parent, Annette S.
;             REGISTRATION NUMBER: 42,058
;             REFERENCE/DOCKET NUMBER: 02558B-059100US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 9:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 18 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  13..18
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "t at positions 13-18 may be
;             present or absent"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-125-295-9

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 655
PCT-US94-05407-4
; Sequence 4, Application PC/TUS9405407
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  "NUCLEIC ACID TAGGED IMMUNOASSAY"
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NEEDLE & ROSENBERG, P.C.
```

```
;       STREET:  Suite 1200, 127 Peachtree Street
;       CITY:  Atlanta
;       STATE:  Georgia
;       COUNTRY:  USA
;       ZIP:  30303
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US94/05407
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/061,694
;       FILING DATE:  13-MAY-1993
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  oligonucleotide
PCT-US94-05407-4

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   0.0%;  Pred. No. 2.8e+02;
  Matches    0;  Conservative   18;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              :::::::::::::::::
Db          1 UUUUUUUUUUUUUUUUU 18


RESULT 656
PCT-US94-05407-4/c
; Sequence 4, Application PC/TUS9405407
;  GENERAL INFORMATION:
;     APPLICANT:
;     TITLE OF INVENTION:  "NUCLEIC ACID TAGGED IMMUNOASSAY"
;     NUMBER OF SEQUENCES:  14
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  NEEDLE & ROSENBERG, P.C.
;       STREET:  Suite 1200, 127 Peachtree Street
;       CITY:  Atlanta
;       STATE:  Georgia
;       COUNTRY:  USA
;       ZIP:  30303
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US94/05407
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/061,694
;       FILING DATE:  13-MAY-1993
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  oligonucleotide
PCT-US94-05407-4

  Query Match             0.6%;  Score 18;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.8e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 657
US-09-435-806-7
; Sequence 7, Application US/09435806
; Patent No. 6653458
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Guinoso, Charles J.
;  TITLE OF INVENTION: MODIFIED OLIGONUCLEOTIDES
;  FILE REFERENCE: ISIS-4289
;  CURRENT APPLICATION NUMBER: US/09/435,806
;  CURRENT FILING DATE:  1999-11-08
;  PRIOR APPLICATION NUMBER: US 09/115,043
;  PRIOR FILING DATE: 1998-07-14
;  PRIOR APPLICATION NUMBER: US 08/602,862
;  PRIOR FILING DATE: 1996-02-28
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: n = uracil
US-09-435-806-7

  Query Match             0.6%;  Score 18;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              |||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTT 18


RESULT 658
US-09-435-806-7/c
; Sequence 7, Application US/09435806
; Patent No. 6653458
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Guinoso, Charles J.
;  TITLE OF INVENTION: MODIFIED OLIGONUCLEOTIDES
;  FILE REFERENCE: ISIS-4289
;  CURRENT APPLICATION NUMBER: US/09/435,806
;  CURRENT FILING DATE:  1999-11-08
;  PRIOR APPLICATION NUMBER: US 09/115,043
;  PRIOR FILING DATE: 1998-07-14
;  PRIOR APPLICATION NUMBER: US 08/602,862
;  PRIOR FILING DATE: 1996-02-28
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: n = uracil
US-09-435-806-7

  Query Match             0.6%;  Score 18;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 3.4e+02;
```

```
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 659
US-08-482-918-33/c
; Sequence 33, Application US/08482918
; Patent No. 6207417
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,918
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/33005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-482-918-33

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 660
US-08-482-918-34
; Sequence 34, Application US/08482918
; Patent No. 6207417
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,918
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/33005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-482-918-34

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 661
US-09-224-681-33/c
; Sequence 33, Application US/09224681
; Patent No. 6207454
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Method for Enhancing the Efficiency of Gene
;    TITLE OF INVENTION:  Transfer with Stem Cell Factor (SCF) Polypeptide
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/224,681
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/005,893
;      FILING DATE:  12-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
```

```
;      APPLICATION NUMBER:  08/449,653
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/35199
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-224-681-33

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 662
US-09-224-681-34
; Sequence 34, Application US/09224681
; Patent No. 6207454
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Method for Enhancing the Efficiency of Gene
;    TITLE OF INVENTION:  Transfer with Stem Cell Factor (SCF) Polypeptide
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/224,681
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/005,893
;      FILING DATE:  12-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/449,653
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/35199
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-224-681-34

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 663
US-08-336-728A-33/c
; Sequence 33, Application US/08336728A
; Patent No. 6207802
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/336,728A
```

```
;       FILING DATE:  09-NOV-1994
;       CLASSIFICATION:  424
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/982,255
;       FILING DATE:  25-NOV-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/589,701
;       FILING DATE:  01-OCT-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/573,616
;       FILING DATE:  24-AUG-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/537,198
;       FILING DATE:  11-JUN-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/422,383
;       FILING DATE:  16-OCT-1989
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Clough, David W.
;       REGISTRATION NUMBER:  36,107
;       REFERENCE/DOCKET NUMBER:  01017/32956
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  312/474-6300
;       TELEFAX:  312/474-0448
;       TELEX:  25-3856
;   INFORMATION FOR SEQ ID NO:  33:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-336-728A-33

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 664
US-08-336-728A-34
; Sequence 34, Application US/08336728A
; Patent No. 6207802
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/336,728A
;      FILING DATE:  09-NOV-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/32956
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-336-728A-34

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 665
US-08-482-918-32
; Sequence 32, Application US/08482918
; Patent No. 6207417
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,918
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/33005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
```

```
;  INFORMATION FOR SEQ ID NO:  32:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-482-918-32

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18


RESULT 666
US-08-482-918-32/c
; Sequence 32, Application US/08482918
; Patent No. 6207417
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/482,918
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/33005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  32:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-482-918-32

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 667
US-09-224-681-32
; Sequence 32, Application US/09224681
; Patent No. 6207454
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Method for Enhancing the Efficiency of Gene
;    TITLE OF INVENTION:  Transfer with Stem Cell Factor (SCF) Polypeptide
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/224,681
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/005,893
;      FILING DATE:  12-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/449,653
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/35199
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  32:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-224-681-32

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18
```

```
RESULT 668
US-09-224-681-32/c
; Sequence 32, Application US/09224681
; Patent No. 6207454
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Method for Enhancing the Efficiency of Gene
;    TITLE OF INVENTION:  Transfer with Stem Cell Factor (SCF) Polypeptide
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/224,681
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/005,893
;      FILING DATE:  12-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/449,653
;      FILING DATE:  24-MAY-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/35199
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  32:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-224-681-32

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 669
US-08-336-728A-32
; Sequence 32, Application US/08336728A
; Patent No. 6207802
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/336,728A
;      FILING DATE:  09-NOV-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/32956
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  32:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-336-728A-32

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTTT 18
```

```
RESULT 670
US-08-336-728A-32/c
; Sequence 32, Application US/08336728A
; Patent No. 6207802
;  GENERAL INFORMATION:
;    APPLICANT:  Zsebo, Krisztina M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Suggs, Sidney V.
;    APPLICANT:  Martin, Francis H.
;    TITLE OF INVENTION:  Stem Cell Factor
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/336,728A
;      FILING DATE:  09-NOV-1994
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,255
;      FILING DATE:  25-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/589,701
;      FILING DATE:  01-OCT-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/573,616
;      FILING DATE:  24-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/537,198
;      FILING DATE:  11-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/422,383
;      FILING DATE:  16-OCT-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clough, David W.
;      REGISTRATION NUMBER:  36,107
;      REFERENCE/DOCKET NUMBER:  01017/32956
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  32:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-336-728A-32

  Query Match             0.6%;  Score 18;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAAA 1


RESULT 671
US-08-123-449A-1
; Sequence 1, Application US/08123449A
; Patent No. 5583032
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-123-449A-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          5 TTTTTTTTTTTTTTTTTT 22


RESULT 672
US-08-123-449A-1/c
; Sequence 1, Application US/08123449A
; Patent No. 5583032
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
```

```
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-123-449A-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         22 AAAAAAAAAAAAAAAAAA 5


RESULT 673
US-08-123-449A-2
; Sequence 2, Application US/08123449A
; Patent No. 5583032
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-123-449A-2

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          5 TTTTTTTTTTTTTTTTTT 22


RESULT 674
US-08-123-449A-2/c
; Sequence 2, Application US/08123449A
; Patent No. 5583032
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
```

```
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-123-449A-2

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         22 AAAAAAAAAAAAAAAAAA 5


RESULT 675
US-08-458-050-1
; Sequence 1, Application US/08458050
; Patent No. 5677289
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/458,050
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/123,449
;      FILING DATE:  17-SEP-1993
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-458-050-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          5 TTTTTTTTTTTTTTTTTT 22


RESULT 676
US-08-458-050-1/c
; Sequence 1, Application US/08458050
; Patent No. 5677289
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/458,050
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/123,449
;      FILING DATE:  17-SEP-1993
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-458-050-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         22 AAAAAAAAAAAAAAAAAA 5


RESULT 677
US-08-458-050-2
; Sequence 2, Application US/08458050
; Patent No. 5677289
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
```

```
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/458,050
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/123,449
;      FILING DATE:  17-SEP-1993
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-458-050-2

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          5 TTTTTTTTTTTTTTTTTT 22


RESULT 678
US-08-458-050-2/c
; Sequence 2, Application US/08458050
; Patent No. 5677289
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/458,050
;      FILING DATE:  01-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/123,449
;      FILING DATE:  17-SEP-1993
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-458-050-2

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         22 AAAAAAAAAAAAAAAAAA 5


RESULT 679
US-08-950-196-1
; Sequence 1, Application US/08950196
; Patent No. 6271369
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/950,196
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449
;      FILING DATE:
;      APPLICATION NUMBER:  PCT/US93/10103
```

```
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-950-196-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||||
Db          5 TTTTTTTTTTTTTTTTTT 22


RESULT 680
US-08-950-196-1/c
; Sequence 1, Application US/08950196
; Patent No. 6271369
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/950,196
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449
;      FILING DATE:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-950-196-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         22 AAAAAAAAAAAAAAAAAA 5


RESULT 681
US-08-950-196-2
; Sequence 2, Application US/08950196
; Patent No. 6271369
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/950,196
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449
;      FILING DATE:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-950-196-2

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2166 TTTTTTTTTTTTTTTTT 2183
              |||||||||||||||||
Db          5 TTTTTTTTTTTTTTTTT 22


RESULT 682
US-08-950-196-2/c
; Sequence 2, Application US/08950196
; Patent No. 6271369
;  GENERAL INFORMATION:
;    APPLICANT:  TORRENCE, PAUL
;    APPLICANT:  ROBERT, SILVERMAN
;    APPLICANT:  RATAN, MAITRA
;    APPLICANT:  KRYSTYNA, LESIAK
;    TITLE OF INVENTION:  METHOD OF CLEAVING SPECIFIC SEQUENCES
;    TITLE OF INVENTION:  OF RNA
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS version
;      SOFTWARE:  FastSeq Version 1.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/950,196
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/123,449
;      FILING DATE:
;      APPLICATION NUMBER:  PCT/US93/10103
;      FILING DATE:  10-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fedrick, Michael F.
;      REGISTRATION NUMBER:  36,799
;      REFERENCE/DOCKET NUMBER:  NIH034.001QPC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-950-196-2

  Query Match             0.6%;  Score 18;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 5.5e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         22 AAAAAAAAAAAAAAAAAA 5


RESULT 683
PCT-US94-05407-7
; Sequence 7, Application PC/TUS9405407
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  "NUCLEIC ACID TAGGED IMMUNOASSAY"
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NEEDLE & ROSENBERG, P.C.
;      STREET:  Suite 1200, 127 Peachtree Street
;      CITY:  Atlanta
;      STATE:  Georgia
;      COUNTRY:  USA
;      ZIP:  30303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05407
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/061,694
;      FILING DATE:  13-MAY-1993
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
PCT-US94-05407-7

  Query Match             0.6%;  Score 18;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred.'No. 6.4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db          6 AAAAAAAAAAAAAAAAAA 23


RESULT 684
PCT-US94-05407-7/c
; Sequence 7, Application PC/TUS9405407
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  "NUCLEIC ACID TAGGED IMMUNOASSAY"
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NEEDLE & ROSENBERG, P.C.
;      STREET:  Suite 1200, 127 Peachtree Street
;      CITY:  Atlanta
;      STATE:  Georgia
;      COUNTRY:  USA
;      ZIP:  30303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05407
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/061,694
;      FILING DATE:  13-MAY-1993
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
PCT-US94-05407-7

  Query Match             0.6%;  Score 18;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 6.4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2166 TTTTTTTTTTTTTTTTT 2183
              |||||||||||||||||
Db         23 TTTTTTTTTTTTTTTTT 6


RESULT 685
PCT-US94-05407-8
; Sequence 8, Application PC/TUS9405407
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  "NUCLEIC ACID TAGGED IMMUNOASSAY"
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NEEDLE & ROSENBERG, P.C.
;      STREET:  Suite 1200, 127 Peachtree Street
;      CITY:  Atlanta
;      STATE:  Georgia
;      COUNTRY:  USA
;      ZIP:  30303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05407
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/061,694
;      FILING DATE:  13-MAY-1993
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
PCT-US94-05407-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 23;
  Best Local Similarity   0.0%;  Pred. No. 6.4e+02;
  Matches    0;  Conservative   18;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              :::::::::::::::::
Db          1 UUUUUUUUUUUUUUUUU 18


RESULT 686
PCT-US94-05407-8/c
; Sequence 8, Application PC/TUS9405407
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  "NUCLEIC ACID TAGGED IMMUNOASSAY"
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NEEDLE & ROSENBERG, P.C.
;      STREET:  Suite 1200, 127 Peachtree Street
;      CITY:  Atlanta
;      STATE:  Georgia
;      COUNTRY:  USA
;      ZIP:  30303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05407
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/061,694
;      FILING DATE:  13-MAY-1993
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
PCT-US94-05407-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 6.4e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              |||||||||||||||||
Db         18 AAAAAAAAAAAAAAAAA 1


RESULT 687
US-08-906-156A-82/c
; Sequence 82, Application US/08906156A
; Patent No. 6287854
;  GENERAL INFORMATION:
;    APPLICANT:  SPURR, NIGEL K
;    APPLICANT:  GRAY, IAN C
;    APPLICANT:  STEWART, LORNA M
;    TITLE OF INVENTION:  DIAGNOSIS OF SUSCEPTIBILITY TO CANCER
;    TITLE OF INVENTION:  AND TREATMENT THEREOF
;    NUMBER OF SEQUENCES:  94
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/906,156A
;      FILING DATE:  05-AUG-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/042,655
;      FILING DATE:  02-APR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/033,147
;      FILING DATE:  13-DEC-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/005,840
;      FILING DATE:  23-OCT-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/96GB/02588
;      FILING DATE:  22-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SADOFF, B.J.
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  1090-14
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-816-4000
;      TELEFAX:  703-816-4100
;  INFORMATION FOR SEQ ID NO:  82:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "SYNTHETIC OLIGO"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-906-156A-82
```

```
  Query Match             0.6%;  Score 18;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         24 AAAAAAAAAAAAAAAAAA 7


RESULT 688
US-09-475-316A-59/c
; Sequence 59, Application US/09475316A
; Patent No. 6210942
; GENERAL INFORMATION:
;  APPLICANT:  Lewis, No. 6210942man G.
;  APPLICANT:  Davin, Laurence B.
;  APPLICANT:  Dinkova-Kostova, Albena T.
;  APPLICANT:  Fujita, Masayuki
;  APPLICANT:  Gang, David R.
;  APPLICANT:  Sarkanen, Simo
;  APPLICANT:  Ford, Joshua D
;  TITLE OF INVENTION:  RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASES,
;  TITLE OF INVENTION:  RECOMBINANT DIRIGENT PROTEINS AND METHODS OF USE
;  FILE REFERENCE:  WSUR-1-13793
;  CURRENT APPLICATION NUMBER: US/09/475,316A
;  CURRENT FILING DATE:  1999-12-30
;  PRIOR APPLICATION NUMBER:  09/307,653
;  PRIOR FILING DATE:  1999-05-07
;  PRIOR APPLICATION NUMBER:  PCT/US97/20391
;  PRIOR FILING DATE:  1997-11-07
;  PRIOR APPLICATION NUMBER:  60/054,380
;  PRIOR FILING DATE:  1997-07-31
;  PRIOR APPLICATION NUMBER:  60/030,522
;  PRIOR FILING DATE:  1996-11-08
;  NUMBER OF SEQ ID NOS:  122
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(26)
;   OTHER INFORMATION: cDNA synthesis linker primer
US-09-475-316A-59

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 9.3e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAAA 9


RESULT 689
US-09-704-640-59/c
; Sequence 59, Application US/09704640
; Patent No. 6635459
; GENERAL INFORMATION:
;  APPLICANT:  Lewis, No. 6635459man G.
;  APPLICANT:  Davin, Laurence B.
;  APPLICANT:  Dinkova-Kostova, Albena T.
;  APPLICANT:  Fujita, Masayuki
;  APPLICANT:  Gang, David R.
;  APPLICANT:  Sarkanen, Simo
;  APPLICANT:  Ford, Joshua D
;  TITLE OF INVENTION:  RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASE,
;  TITLE OF INVENTION:  RECOMBINANT DIRIGENT PROTEIN AND METHODS OF USE
;  FILE REFERENCE:  WSUR-1-16492
;  CURRENT APPLICATION NUMBER: US/09/704,640
;  CURRENT FILING DATE:  2000-11-02
;  PRIOR APPLICATION NUMBER:  09/475,316
;  PRIOR FILING DATE:  1999-12-30
;  PRIOR APPLICATION NUMBER:  09/307,653
;  PRIOR FILING DATE:  1999-05-07
;  PRIOR APPLICATION NUMBER:  PCT/US97/20391
;  PRIOR FILING DATE:  1997-11-07
;  PRIOR APPLICATION NUMBER:  60/054,380
;  PRIOR FILING DATE:  1997-07-31
;  PRIOR APPLICATION NUMBER:  60/030,522
;  PRIOR FILING DATE:  1996-11-08
;  NUMBER OF SEQ ID NOS:  122
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(26)
;   OTHER INFORMATION: cDNA synthesis linker primer
US-09-704-640-59

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 9.3e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAAA 9


RESULT 690
US-08-117-361C-3/c
; Sequence 3, Application US/08117361C
; Patent No. 5773223
;  GENERAL INFORMATION:
;    APPLICANT:  Venkatakrishna, Shyamala
;    APPLICANT:  Tekamp-Olson, Patricia
;    TITLE OF INVENTION:  Endothelin B1 (ETB1) Receptor Polypeptide
;    TITLE OF INVENTION:  Compositions, Methods, and Uses Thereof
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Chiron Corporation
;      STREET:  4560 Horton Streeet
;      CITY:  Emeryville
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  946087
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 &
;      SOFTWARE:  Word 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/117,361C
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Chung, Ling-Fong
;      REGISTRATION NUMBER:  36,482
;      REFERENCE/DOCKET NUMBER:  0945.001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 923-2704
;      TELEFAX:  (510) 655-3542
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-117-361C-3

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 9.3e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAAA 9


RESULT 691
US-08-978-321-1/c
; Sequence 1, Application US/08978321
; Patent No. 6162437
;  GENERAL INFORMATION:
;    APPLICANT:  PYUN, Kwang-Ho
;    APPLICANT:  CHOI, Inpyo
;    APPLICANT:  KANG, Hyung-Sik
;    APPLICANT:  LEE, Jung-Joon
;    APPLICANT:  KIM, Young-Ho
;    TITLE OF INVENTION:  METHOD FOR INHIBITING INTERLEUKIN-6
;    TITLE OF INVENTION:  PRODUCTION BY ADMINISTERING EXTRACTS
;    TITLE OF INVENTION:  FROM ROOT OF STEPHANIA TETRANDRA
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PYUN, Kwang-Ho
;      STREET:  Woosung Apt. 5-406, Dogok-dong, Kangnam-ku
;      CITY:  Seoul
;      STATE:  Seoul
;      COUNTRY:  Republic of Korea
;      ZIP:  135-270
;      ADDRESSEE:  CHOI, Inpyo
;      STREET:  Dasol Apt. 103-204, Kung-dong, Yusong-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  305-335
;      ADDRESSEE:  KANG, Hyung-Sik
;      STREET:  Jonweon Apt. 102-1401, Weolpyung-dong, Seo-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  302-280
;      ADDRESSEE:  LEE, Jung-Joon
;      STREET:  Hanbit Apt. 132-201, Eoeun-dong, Yusong-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  305-333
;      ADDRESSEE:  KIM, Young-Ho
;      STREET:  Hanbit Apt. 125-1504, Eoeun-dong, Yusong-ku
;      CITY:  Taejon
;      STATE:  Taejon
;      COUNTRY:  Republic of Korea
;      ZIP:  305-333
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 MB storage
;      COMPUTER:  IBM PC/AT
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/978,321
;      FILING DATE:  25-NOV-1997
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  KR 94-12962
;      FILING DATE:  09-JUN-1994
;      APPLICATION NUMBER:  USSN 08/750,462
;      FILING DATE:  06-DEC-1996
;      APPLICATION NUMBER:  PCT/KR95/00073
;      FILING DATE:  05-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:
;      TELEFAX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-978-321-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 9.3e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAAA 9


RESULT 692
US-08-622-354-8
; Sequence 8, Application US/08622354
; Patent No. 5827518
;  GENERAL INFORMATION:
;    APPLICANT:  WEBB, Bruce A.
;    APPLICANT:  CUI, Liwang
;    TITLE OF INVENTION:  VIRAL AND INSECT GENES THAT INHIBIT THE
;    TITLE OF INVENTION:  IMMUNE SYSTEM AND METHODS OF USE THEREOF
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LOWE, PRICE, LEBLANC & BECKER
;      STREET:  99 Canal Center Plaza, Suite 300
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  US
;      ZIP:  22314
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/622,354
;      FILING DATE:  27-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Price, Robert L.
;      REGISTRATION NUMBER:  22,685
;      REFERENCE/DOCKET NUMBER:  434-061
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 684-1111
;      TELEFAX:  (703) 684-1124
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "PRIMER"
;    HYPOTHETICAL:  NO
US-08-622-354-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 9.3e+02;
```

```
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTT 2182
              ||||||||||||||||||
Db          9 CTTTTTTTTTTTTTTTT 26


RESULT 693
US-08-859-998-703
; Sequence 703, Application US/08859998
; Patent No. 5994076
;  GENERAL INFORMATION:
;    APPLICANT:  Chenchik, Alex
;    APPLICANT:  Jokhadze, George
;    APPLICANT:  Bibilashvilli, Robert
;    TITLE OF INVENTION:  METHOD OF ASSAYING DIFFERENTIAL
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  1375
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson, P.C.
;      STREET:  2200 Sand Hill Road, Suite 100
;      CITY:  Menlo Park
;      STATE:  CA
;      COUNTRY:  US
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows95
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/859,998
;      FILING DATE:  21-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Field, Bret E.
;      REGISTRATION NUMBER:  37,620
;      REFERENCE/DOCKET NUMBER:  09096/002001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-322-5070
;      TELEFAX:  415-854-0875
;  INFORMATION FOR SEQ ID NO:  703:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      OTHER INFORMATION:  oligonucleotide primer
US-08-859-998-703

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   80.8%;  Pred. No. 9.3e+02;
  Matches   21;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1093 AGCTGTTCATTTGGCTAGGGACTTTG 1118
              |||||| ||  | || ||||||||||
Db          1 AGCTGTCCACCTAGCCAGGGACTTTG 26


RESULT 694
US-08-648-272-20/c
; Sequence 20, Application US/08648272
; Patent No. 6107028
;  GENERAL INFORMATION:
;    APPLICANT:  Kay, Mark A.
;    APPLICANT:  Lieber, Andre
;    TITLE OF INVENTION:  Ribozymes for Treating Hepatitis C
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/648,272
;      FILING DATE:  15-MAY-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/534,220
;      FILING DATE:  11-SEP-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/476,257
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/357,508
;      FILING DATE:  14-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-WR 2106
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-648-272-20

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   80.8%;  Pred. No. 9.3e+02;
  Matches   21;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        437 CACCAGCCGGCGCCCACAGGCAGCCA 462
              ||||| ||| ||||||||||  | ||
Db         26 CACCAACCGTCGCCCACAGGACGTCA 1


RESULT 695
US-09-282-147-1
; Sequence 1, Application US/09282147
; Patent No. 6274147
; GENERAL INFORMATION:
;  APPLICANT: VAKHARIA, Vikram
;  APPLICANT: YAO, Kun
;  TITLE OF INVENTION: METHOD FOR GENERATING NONPATHOGENIC, INFECTIOUS
;  TITLE OF INVENTION: PANCREATIC NECROSIS VIRUS (IPNV) FROM SYNTHETIC RNA
;  TITLE OF INVENTION: TRANSCRIPTS
;  FILE REFERENCE: 8288-9023
;  CURRENT APPLICATION NUMBER: US/09/282,147
;  CURRENT FILING DATE: 1999-03-31
;  EARLIER APPLICATION NUMBER: US/60/080,278
;  EARLIER FILING DATE: 1998-03-31
;  EARLIER APPLICATION NUMBER: PCT/US97/12955
;  EARLIER FILING DATE: 1998-03-31
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

```
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-09-282-147-1

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 9.3e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTT 2181
              ||||||||||||||||||
Db          9 CCTTTTTTTTTTTTTTTT 26


RESULT 696
US-09-225-928-703
; Sequence 703, Application US/09225928
; Patent No. 6352829
;   GENERAL INFORMATION:
;        APPLICANT: Chenchik, Alex
;                   Jokhadze, George
;                   Bibilashvilli, Robert
;        TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
;                            EXPRESSION
;        NUMBER OF SEQUENCES: 1375
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Fish & Richardson, P.C.
;             STREET: 2200 Sand Hill Road, Suite 100
;             CITY: Menlo Park
;             STATE: CA
;             COUNTRY: US
;             ZIP: 94025
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: Windows95
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/225,928
;             FILING DATE: 05-Jan-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/859,998
;             FILING DATE: 21-MAY-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Field, Bret E.
;             REGISTRATION NUMBER: 37,620
;             REFERENCE/DOCKET NUMBER: 09096/002001
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415-322-5070
;             TELEFAX: 415-854-0875
;   INFORMATION FOR SEQ ID NO: 703:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 26 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             OTHER INFORMATION:  oligonucleotide primer
;        SEQUENCE DESCRIPTION: SEQ ID NO: 703:
US-09-225-928-703

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   80.8%;  Pred. No. 9.3e+02;
  Matches   21;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1093 AGCTGTTCATTTGGCTAGGGACTTTG 1118
              ||||||  ||   | ||  ||||||||||
Db          1 AGCTGTCCACCTAGCCAGGGACTTTG 26


RESULT 697
US-09-225-201B-703
; Sequence 703, Application US/09225201B
; Patent No. 6489455
;   GENERAL INFORMATION:
;        APPLICANT: Chenchik, Alex
;                   Jokhadze, George
;                   Bibilashvilli, Robert
;        TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
;                            EXPRESSION
;        NUMBER OF SEQUENCES: 1375
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Fish & Richardson, P.C.
;             STREET: 2200 Sand Hill Road, Suite 100
;             CITY: Menlo Park
;             STATE: CA
;             COUNTRY: US
;             ZIP: 94025
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: Windows95
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/225,201B
;             FILING DATE: 05-Jan-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/859,998
;             FILING DATE: 21-MAY-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Field, Bret E.
;             REGISTRATION NUMBER: 37,620
;             REFERENCE/DOCKET NUMBER: 09096/002001
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415-322-5070
;             TELEFAX: 415-854-0875
;   INFORMATION FOR SEQ ID NO: 703:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 26 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             OTHER INFORMATION:  oligonucleotide primer
;        SEQUENCE DESCRIPTION: SEQ ID NO: 703:
US-09-225-201B-703

  Query Match             0.6%;  Score 18;  DB 1;  Length 26;
  Best Local Similarity   80.8%;  Pred. No. 9.3e+02;
  Matches   21;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1093 AGCTGTTCATTTGGCTAGGGACTTTG 1118
              ||||||  ||   | ||  ||||||||||
Db          1 AGCTGTCCACCTAGCCAGGGACTTTG 26


RESULT 698
US-08-821-451A-16/c
; Sequence 16, Application US/08821451A
; Patent No. 6066724
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
```

```
;       MEDIUM TYPE:  3.5 INCH DISKETTE
;       COMPUTER:  IBM PS/2
;       OPERATING SYSTEM:  MS-DOS
;       SOFTWARE:  WORD PERFECT 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/821,451A
;       FILING DATE:  March 21, 1997
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/014,724
;       FILING DATE:  March 21, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  MULLINS, J.G.
;       REGISTRATION NUMBER:  33,073
;       REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  201-994-1700
;       TELEFAX:  201-994-1744
;   INFORMATION FOR SEQ ID NO:  16:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  27 BASE PAIRS
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  SINGLE
;       TOPOLOGY:  LINEAR
;     MOLECULE TYPE:  Oligonucleotide
US-08-821-451A-16

  Query Match             0.6%;  Score 18;  DB 1;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
             ||||||||||||||||||
Db         27 AAAAAAAAAAAAAAAAAA 10


RESULT 699
US-09-263-810-16/c
; Sequence 16, Application US/09263810
; Patent No. 6174992
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 INCH DISKETTE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WORD PERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/263,810
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/821,451
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MULLINS, J.G.
;      REGISTRATION NUMBER:  33,073
;      REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 BASE PAIRS
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  Oligonucleotide
US-09-263-810-16

  Query Match             0.6%;  Score 18;  DB 1;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
             ||||||||||||||||||
Db         27 AAAAAAAAAAAAAAAAAA 10


RESULT 700
US-09-583-169-16/c
; Sequence 16, Application US/09583169
; Patent No. 6338948
;  GENERAL INFORMATION:
;    APPLICANT:  Jian Ni, Guo-Liang Yu and Reiner Gentz
;    TITLE OF INVENTION:  Human Endometrial Specific Steroid-
;    TITLE OF INVENTION:  Binding Factor I, II and III
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CARELLA, BYRNE, BAIN, GILFILLAN,
;      ADDRESSEE:  CECCHI, STEWART & OLSTEIN
;      STREET:  6 BECKER FARM ROAD
;      CITY:  ROSELAND
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 INCH DISKETTE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WORD PERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/583,169
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/821,451
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MULLINS, J.G.
;      REGISTRATION NUMBER:  33,073
;      REFERENCE/DOCKET NUMBER:  325800-521 (PF257)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-994-1700
;      TELEFAX:  201-994-1744
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 BASE PAIRS
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  Oligonucleotide
US-09-583-169-16

  Query Match             0.6%;  Score 18;  DB 1;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 1e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
             ||||||||||||||||||
Db         27 AAAAAAAAAAAAAAAAAA 10


RESULT 701
US-08-733-446-14/c
```

```
; Sequence 14, Application US/08733446
; Patent No. 5856138
;  GENERAL INFORMATION:
;    APPLICANT:  FUKUDA, Tsunehiko
;    TITLE OF INVENTION:  HUMAN PARATHYROID HORMONE MUTEINS AND
;    TITLE OF INVENTION:  PRODUCTION THEREOF
;    NUMBER OF SEQUENCES:  62
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
;      ADDRESSEE:  CUSHMAN
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  US
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/733,446
;      FILING DATE:  18-OCT-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/402,970
;      FILING DATE:
;      APPLICATION NUMBER:  US/07/926,787
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  NEUNER, George W
;      REGISTRATION NUMBER:  26964
;      REFERENCE/DOCKET NUMBER:  42025
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617)523-3400
;      TELEFAX:  (617)523-6440
;      TELEX:  200291 STRE UR
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  27 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid, synthetic DNA, primer
;    ANTI-SENSE:  NO
US-08-733-446-14

  Query Match             0.6%;  Score 18;  DB 1;  Length 27;
  Best Local Similarity   80.8%;  Pred. No. 1e+03;
  Matches   21;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1498 AATGGAGAAACACAGGAAATAAAATT 1523
              ||||| | | |||||| || ||||||
Db         26 AATGGGGCACCACAGGCAACAAAATT 1


RESULT 702
US-08-858-767-15/c
; Sequence 15, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-767-15

  Query Match             0.6%;  Score 18;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              ||||||||||||||||||
Db         28 GAAAAAAAAAAAAAAAAA 11


RESULT 703
US-08-863-028-15/c
; Sequence 15, Application US/08863028
; Patent No. 5853991
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
```

```
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-15

  Query Match             0.6%;  Score 18;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              ||||||||||||||||||
Db         28 GAAAAAAAAAAAAAAAAA 11


RESULT 704
US-09-394-630-10/c
; Sequence 10, Application US/09394630
; Patent No. 6395306
; GENERAL INFORMATION:
;  APPLICANT: Cui, Xiangmin
;  APPLICANT:  Lu, Yuefeng
;  APPLICANT:  Pan Pacific Pharmaceutical, Inc.
;  TITLE OF INVENTION: Useful Properties of a Bee Venom Protein and Gene
;  TITLE OF INVENTION:  Encoding Same
;  FILE REFERENCE: 019049-000200US
;  CURRENT APPLICATION NUMBER: US/09/394,630
;  CURRENT FILING DATE:  1999-09-13
;  PRIOR APPLICATION NUMBER: US 60/100,172
;  PRIOR FILING DATE: 1998-09-14
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Oligo(dT)
US-09-394-630-10

  Query Match             0.6%;  Score 18;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         28 AAAAAAAAAAAAAAAAAA 11


RESULT 705
US-09-011-143-23/c
; Sequence 23, Application US/09011143
; Patent No. 6472509
;  GENERAL INFORMATION:
;    APPLICANT:  IMAMURA, Takayuki
;    APPLICANT:  MAEDA, Hiroaki
;    APPLICANT:  FUJIYASU, Takeshi
;    APPLICANT:  IMAGAWA, Yoshitaka
;    APPLICANT:  TOKIYOSHI, Sachio
;    TITLE OF INVENTION:  NOVEL FELINE CYTOKINE PROTEIN
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/011,143
;      FILING DATE:  04-FEB-1998
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP97/01824
;      FILING DATE:  29-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 165249/1996
;      FILING DATE:  04-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  IMAMURA=1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-011-143-23

  Query Match             0.6%;  Score 18;  DB 1;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         30 AAAAAAAAAAAAAAAAAA 13


RESULT 706
US-09-302-495-23/c
; Sequence 23, Application US/09302495
; Patent No. 6518045
;  GENERAL INFORMATION:
;       APPLICANT: IMAMURA, Takayuki
;                  MAEDA, Hiroaki
;                  FUJIYASU, Takeshi
;                  IMAGAWA, Yoshitaka
;                  TOKIYOSHI, Sachio
;       TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;       NUMBER OF SEQUENCES: 26
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: BROWDY AND NEIMARK
;            STREET: 419 Seventh Street, N.W., Suite 300
;            CITY: Washington
;            STATE: D.C.
;            COUNTRY: USA
;            ZIP: 20004
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/302,495
;            FILING DATE: 30-Apr-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/09/011,143
;            FILING DATE: 04-FEB-1998
```

```
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 23:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 30 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-302-495-23

  Query Match             0.6%;  Score 18;  DB 1;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         30 AAAAAAAAAAAAAAAAAA 13


RESULT 707
US-10-079-616-23/c
; Sequence 23, Application US/10079616
; Patent No. 6566097
;   GENERAL INFORMATION:
;        APPLICANT: IMAMURA, Takayuki
;                   MAEDA, Hiroaki
;                   FUJIYASU, Takeshi
;                   IMAGAWA, Yoshitaka
;                   TOKIYOSHI, Sachio
;        TITLE OF INVENTION: NOVEL FELINE CYTOKINE PROTEIN
;        NUMBER OF SEQUENCES: 26
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: BROWDY AND NEIMARK
;             STREET: 419 Seventh Street, N.W., Suite 300
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/079,616
;             FILING DATE: 22-Feb-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/011,143
;             FILING DATE: 04-FEB-1998
;             APPLICATION NUMBER: PCT/JP97/01824
;             FILING DATE: 29-MAY-1997
;             APPLICATION NUMBER: JP 165249/1996
;             FILING DATE: 04-JUN-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: BROWDY, Roger L.
;             REGISTRATION NUMBER: 25,618
;             REFERENCE/DOCKET NUMBER: IMAMURA=1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-628-5197
;             TELEFAX: 202-737-3528
;   INFORMATION FOR SEQ ID NO: 23:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 30 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: cDNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-079-616-23

  Query Match             0.6%;  Score 18;  DB 1;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         30 AAAAAAAAAAAAAAAAAA 13


RESULT 708
US-08-126-594-8/c
; Sequence 8, Application US/08126594
; Patent No. 5482845
;  GENERAL INFORMATION:
;    APPLICANT:  Soares, M. Bento
;    APPLICANT:  Efstratiadis, Algiris
;    TITLE OF INVENTION:  METHOD FOR CONSTRUCTION OF NORMALIZED
;    TITLE OF INVENTION:  cDNA LIBRARIES
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White, c/o Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/126,594
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  42840/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-126-594-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 709
```

```
US-08-465-811A-8/c
; Sequence 8, Application US/08465811A
; Patent No. 5637685
;  GENERAL INFORMATION:
;    APPLICANT:  Soares, M. Bento
;    APPLICANT:  Efstratiadis, Argiris
;    TITLE OF INVENTION:  METHOD FOR CONSTRUCTION OF
;    TITLE OF INVENTION:  NORMALIZED cDNA LIBRARIES
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John P. White, c/o Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,811A
;      FILING DATE:  June 6, 1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  42840/JPW/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-465-811A-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 710
US-08-619-542B-8/c
; Sequence 8, Application US/08619542B
; Patent No. 5830662
;  GENERAL INFORMATION:
;    APPLICANT:  The Trustees of Columbia University in the City
;    APPLICANT:  of New York
;    TITLE OF INVENTION:  METHOD FOR CONSTRUCTION OF NORMALIZED
;    TITLE OF INVENTION:  cDNA LIBRARIES
;    NUMBER OF SEQUENCES:  78
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/619,542B
;      FILING DATE:  June 21, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  42840-A-PCT-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-619-542B-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 711
US-08-627-706-7/c
; Sequence 7, Application US/08627706
; Patent No. 5773696
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip M.
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Charles E. Cohen, Monsanto Company, BB4F
;      STREET:  700 Chesterfield Village Parkway No. 5773696th
;      CITY:  St. Louis
;      STATE:  Missouri
;      COUNTRY:  USA
;      ZIP:  63198
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/627,706
;      FILING DATE:
;      CLASSIFICATION:  436
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cohen, Charles E.
;      REGISTRATION NUMBER:  34,565
;      REFERENCE/DOCKET NUMBER:  38-21(10700)A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314)537-6224
;      TELEFAX:  (314)537-6047
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA"
US-08-627-706-7

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 712
US-08-766-355-8/c
; Sequence 8, Application US/08766355
; Patent No. 6121436
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip Maganlal
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    APPLICANT:  Hakimi, Salim
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 77210
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  United States of America
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/766,355
;      FILING DATE:  Concurrently Herewith
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kitchell, Barbara S.
;      REGISTRATION NUMBER:  33,928
;      REFERENCE/DOCKET NUMBER:  MOBT:063
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (512) 474-7577
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-766-355-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 713
US-09-103-489-7/c
; Sequence 7, Application US/09103489
; Patent No. 6215048
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip M.
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Charles E. Cohen, Monsanto Company, BB4F
;      STREET:  700 Chesterfield Village Parkway No. 6215048th
;      CITY:  St. Louis
;      STATE:  Missouri
;      COUNTRY:  USA
;      ZIP:  63198
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/103,489
;      FILING DATE:  24-JUN-1998
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cohen, Charles E.
;      REGISTRATION NUMBER:  34,565
;      REFERENCE/DOCKET NUMBER:  38-21 (10700)A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (314) 537-6224
;      TELEFAX:  (314) 537-6047
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA"
US-09-103-489-7

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 714
US-09-003-198A-8/c
; Sequence 8, Application US/09003198A
; Patent No. 6316407
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip Maganlal
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    APPLICANT:  Hakimi, Salim
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  USA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

```
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/003,198A
;      FILING DATE:  07-JAN-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Patterson, Melinda L.
;      REGISTRATION NUMBER:  33,062
;      REFERENCE/DOCKET NUMBER:  MOBT:193
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (713) 787-1400
;      TELEFAX:  (713) 787-1440
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-003-198A-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 715
US-09-428-805-8/c
; Sequence 8, Application US/09428805
; Patent No. 6329504
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Jihong
;    APPLICANT:  Shah, Dilip Maganlal
;    APPLICANT:  Wu, Yonnie S.
;    APPLICANT:  Rosenberger, Cindy A.
;    APPLICANT:  Hakimi, Salim
;    TITLE OF INVENTION:  Antifungal Polypeptide and Methods for
;    TITLE OF INVENTION:  Controlling Plant Pathogenic Fungi
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 77210
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  United States of America
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/428,805
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/766,355
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kitchell, Barbara S.
;      REGISTRATION NUMBER:  33,928
;      REFERENCE/DOCKET NUMBER:  MOBT:063
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (512) 474-7577
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  32 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-428-805-8

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 716
US-09-732-210-16/c
; Sequence 16, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
;  APPLICANT: Bunkers, Greg J.
;  APPLICANT:  Liang, Jihong
;  APPLICANT:  Mittanck, Cindy A.
;  APPLICANT:  Seale, Jeffrey W.
;  APPLICANT:  Wu, Yonnie S.
;  TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
;  FILE REFERENCE: 38-21(15036)B
;  CURRENT APPLICATION NUMBER: US/09/732,210
;  CURRENT FILING DATE:  2000-12-07
;  PRIOR APPLICATION NUMBER: US 60/169,513
;  PRIOR FILING DATE: 1999-12-07
;  PRIOR APPLICATION NUMBER: US 60/169,340
;  PRIOR FILING DATE: 1999-12-07
;  NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 16
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
US-09-732-210-16

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 717
US-09-829-381D-7/c
; Sequence 7, Application US/09829381D
; Patent No. 6653280
; GENERAL INFORMATION:
;  APPLICANT: Liang, Jihong
;  APPLICANT:  Shah, Dilip M.
;  APPLICANT:  Wu, Yonnie S.
;  APPLICANT:  Rosenberger, Cindy A.
;  TITLE OF INVENTION: Antifungal Polypeptide ALYAFP from Alyssum and Methods for Control
;  TITLE OF INVENTION:  Plant Pathogenic Fungi
;  FILE REFERENCE: 38-21 (10700) C
;  CURRENT APPLICATION NUMBER: US/09/829,381D
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 09/103,489
;  PRIOR FILING DATE: 1998-06-24
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 32
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic oligonucleotide
US-09-829-381D-7
```

```
  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||||
Db         32 AAAAAAAAAAAAAAAAAA 15


RESULT 718
US-09-750-401-10/c
; Sequence 10, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 32
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of GADD45
US-09-750-401-10

  Query Match             0.6%;  Score 18;  DB 1;  Length 32;
  Best Local Similarity   80.8%;  Pred. No. 1.6e+03;
  Matches   21;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAAA 2804
              |||    |||||||||| ||||||||
Db         28 AGACCAAAAAAAAAAAAGAAAAAAA 3


RESULT 719
US-08-973-857-6
; Sequence 6, Application US/08973857
; Patent No. 6221584
;  GENERAL INFORMATION:
;    APPLICANT:  EMRICH, Thomas
;    APPLICANT:  LEYING, Hermann
;    APPLICANT:  HINZPETER, Matthias
;    APPLICANT:  KARL, Gerlinde
;    TITLE OF INVENTION:  METHOD FOR THE DETECTION OF
;    TITLE OF INVENTION:  POLYMERASE ACTIVITY
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nikaido, Marmelstein, Murray & Oram LLP
;      STREET:  655 Fifteenth St., NW
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005-5701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,857
;      FILING DATE:  29-DEC-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/05245
;      FILING DATE:  11-AUG-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 19544317.9
;      FILING DATE:  28-NOV-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 19644302.4
;      FILING DATE:  24-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berman, Richard J.
;      REGISTRATION NUMBER:  39,107
;      REFERENCE/DOCKET NUMBER:  P564-7031
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 638-5000
;      TELEFAX:  (202) 638-4810
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-973-857-6

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 19;
  Best Local Similarity   89.5%;  Pred. No. 3.7e+02;
  Matches   17;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTAA 2188
              ||||||||||||||||::
Db          1 TTTTTTTTTTTTTTTTMH 19


RESULT 720
US-08-973-857-6/c
; Sequence 6, Application US/08973857
; Patent No. 6221584
;  GENERAL INFORMATION:
;    APPLICANT:  EMRICH, Thomas
;    APPLICANT:  LEYING, Hermann
;    APPLICANT:  HINZPETER, Matthias
;    APPLICANT:  KARL, Gerlinde
;    TITLE OF INVENTION:  METHOD FOR THE DETECTION OF
;    TITLE OF INVENTION:  POLYMERASE ACTIVITY
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nikaido, Marmelstein, Murray & Oram LLP
;      STREET:  655 Fifteenth St., NW
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20005-5701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,857
;      FILING DATE:  29-DEC-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP96/05245
;      FILING DATE:  11-AUG-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 19544317.9
;      FILING DATE:  28-NOV-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 19644302.4
;      FILING DATE:  24-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berman, Richard J.
;      REGISTRATION NUMBER:  39,107
;      REFERENCE/DOCKET NUMBER:  P564-7031
```

```
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202) 638-5000
;       TELEFAX:  (202) 638-4810
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-973-857-6

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 19;
  Best Local Similarity   89.5%;  Pred. No. 3.7e+02;
  Matches   17;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAAAA 2802
              ::|||||||||||||||||
Db         19 DKAAAAAAAAAAAAAAAAA 1


RESULT 721
US-09-721-154-7
; Sequence 7, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
;  APPLICANT: Vaisberg, Eugeni
;  APPLICANT:  Adams, Cynthia
;  APPLICANT:  Sabry, James
;  APPLICANT:  Crompton, Anne
;  TITLE OF INVENTION: Database system including computer code
;  TITLE OF INVENTION:  for predictive cellular bioinformatics
;  FILE REFERENCE: CytoP007C2
;  CURRENT APPLICATION NUMBER: US/09/721,154
;  CURRENT FILING DATE:  2002-06-14
;  PRIOR APPLICATION NUMBER: 09/311,996
;  PRIOR FILING DATE: 1999-05-14
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
;    LENGTH: 24
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Psuedo-sequence
US-09-721-154-7

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 24;
  Best Local Similarity   90.5%;  Pred. No. 8e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2167 TTTTTTTTTTTTTTTTTTTA 2187
              |||||| |||||||||| ||
Db          2 TTTTTTGTTTTTTTTTTCTA 22


RESULT 722
US-08-974-549A-435/c
; Sequence 435, Application US/08974549A
; Patent No. 6166178
;  GENERAL INFORMATION:
;     APPLICANT:  Cech, Thomas R.
;     APPLICANT:  Lingner, Joachim
;     APPLICANT:  Nakamura, Toru
;     APPLICANT:  Chapman, Karen B.
;     APPLICANT:  Morin, Gregg B.
;     APPLICANT:  Harley, Calvin B.
;     APPLICANT:  Andrews, William H.
;     TITLE OF INVENTION:  Human Telomerase Catalytic Subunit
;     NUMBER OF SEQUENCES:  727
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Townsend and Townsend and Crew LLP
;       STREET:  Two Embarcadero Center, Eighth Floor
;       CITY:  San Francisco
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94111-3834
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/974,549A
;       FILING DATE:  19-NOV-1997
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/724,643
;       FILING DATE:  01-OCT-1996
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/844,419
;       FILING DATE:  18-APR-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/846,017
;       FILING DATE:  25-APR-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/851,843
;       FILING DATE:  06-MAY-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/854,050
;       FILING DATE:  09-MAY-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/911,312
;       FILING DATE:  14-AUG-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/912,951
;       FILING DATE:  14-AUG-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/915,503
;       FILING DATE:  14-AUG-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  WO PCT/US97/17618
;       FILING DATE:  01-OCT-1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  WO PCT/US97/17885
;       FILING DATE:  01-OCT-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Apple, Randolph Ted
;       REGISTRATION NUMBER:  36,429
;       REFERENCE/DOCKET NUMBER:  015389-002610US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  435:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  25 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
;     FEATURE:
;       NAME/KEY:  -
;       LOCATION:  1..25
;       OTHER INFORMATION:  /note= "TCP1.62 primer"
US-08-974-549A-435

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        789 CCTGTCAGAAGGAGCTGGTGG 809
              |||| | ||||||||||||||||
Db         21 CCTGCCTGAAGGAGCTGGTGG 1


RESULT 723
US-09-710-200-50
```

```
; Sequence 50, Application US/09710200
; Patent No. 6379897
; GENERAL INFORMATION:
;  APPLICANT: Nanogen, Inc.
;  APPLICANT:  Weidenhammer, Elaine M.
;  APPLICANT:  Wang, Ling
;  APPLICANT:  Xu, Xiao
;  APPLICANT:  Heller, Michael J.
;  APPLICANT:  Kahl, Brenda F.
;  TITLE OF INVENTION: IMPROVED METHODS FOR GENE EXPRESSION MONITORING ON ELECTRONIC MIC
;  FILE REFERENCE: 256/262 Patrick S. Eagleman
;  CURRENT APPLICATION NUMBER: US/09/710,200
;  CURRENT FILING DATE:  2000-11-09
;  NUMBER OF SEQ ID NOS: 73
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (1)..(1)
;   OTHER INFORMATION: Biotinylated
US-09-710-200-50

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGGCT 507
              ||||||||  ||||||  |||||
Db          1 GAGCCAGGGGGGAGCAGGGCT 21


RESULT 724
US-08-912-951-202/c
; Sequence 202, Application US/08912951
; Patent No. 6475789
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  HUMAN TELOMERASE CATALYTIC SUBUNIT:  DIAGNOSTIC AND
;    TITLE OF INVENTION:  THERAPEUTIC METHODS
;    NUMBER OF SEQUENCES:  335
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/912,951
;      FILING DATE:  14-AUG-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/854,050
;      FILING DATE:  09-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/851,843
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/846,017
;      FILING DATE:  25-APR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/844,419
;      FILING DATE:  18-APR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/724,643
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Apple,  Randolph T.
;      REGISTRATION NUMBER:  36,429
;      REFERENCE/DOCKET NUMBER:  015389-002600US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  202:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-912-951-202

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        789 CCTGTCAGAAGGAGCTGGTGG 809
              ||||  | ||||||||||||||
Db         21 CCTGCCTGAAGGAGCTGGTGG 1


RESULT 725
US-09-975-408-50
; Sequence 50, Application US/09975408
; Patent No. 6492122
; GENERAL INFORMATION:
;  APPLICANT: Nanogen, Inc.
;  APPLICANT:  Weidenhammer, Elaine M.
;  APPLICANT:  Xu, Xiao
;  APPLICANT:  Kahl, Brenda F.
;  TITLE OF INVENTION: IMPROVED METHODS FOR GENE EXPRESSION MONITORING ON ELECTRONIC MIC
;  FILE REFERENCE: 267/174  Patrick S. Eagleman
;  CURRENT APPLICATION NUMBER: US/09/975,408
;  CURRENT FILING DATE:  2001-10-10
;  PRIOR APPLICATION NUMBER: 09/710,200
;  PRIOR FILING DATE: 2000-11-09
;  NUMBER OF SEQ ID NOS: 73
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: (1)..(1)
;   OTHER INFORMATION: Biotinylated
US-09-975-408-50

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGGCT 507
              ||||||||  ||||||  |||||
Db          1 GAGCCAGGGGGGAGCAGGGCT 21
```

```
RESULT 726
US-09-402-181B-435/c
; Sequence 435, Application US/09402181B
; Patent No. 6610839
;  GENERAL INFORMATION:
;       APPLICANT: Cech, Thomas R.
;                  Lingner, Joachim
;                  Nakamura, Toru
;                  Chapman, Karen B.
;                  Morin, Gregg B.
;                  Harley, Calvin B.
;                  Andrews, William H.
;       TITLE OF INVENTION: Human Telomerase Catalytic Subunit
;       NUMBER OF SEQUENCES: 633
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/402,181B
;            FILING DATE: 29-Sep-1997
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/724,643
;            FILING DATE: 01-OCT-1996
;            APPLICATION NUMBER: US 08/844,419
;            FILING DATE: 18-APR-1997
;            APPLICATION NUMBER: US 08/846,017
;            FILING DATE: 25-APR-1997
;            APPLICATION NUMBER: US 08/851,843
;            FILING DATE: 06-MAY-1997
;            APPLICATION NUMBER: US 08/854,050
;            FILING DATE: 09-MAY-1997
;            APPLICATION NUMBER: US 08/911,312
;            FILING DATE: 14-AUG-1997
;            APPLICATION NUMBER: US 08/912,951
;            FILING DATE: 14-AUG-1997
;            APPLICATION NUMBER: US 08/915,503
;            FILING DATE: 14-AUG-1997
;            APPLICATION NUMBER: WO PCT/US97/17885
;            FILING DATE: 01-OCT-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Ausenhus, Scott L.
;            REGISTRATION NUMBER: 42,271
;            REFERENCE/DOCKET NUMBER: 015389-002620US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;  INFORMATION FOR SEQ ID NO: 435:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 25 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       FEATURE:
;            NAME/KEY:  -
;            LOCATION:  1..25
;            OTHER INFORMATION:  /note= "TCP1.62 primer"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 435:
US-09-402-181B-435

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        789 CCTGTCAGAAGGAGCTGGTGG 809
              |||| | ||||||||||||||
Db         21 CCTGCCTGAAGGAGCTGGTGG 1


RESULT 727
US-09-721-456-435/c
; Sequence 435, Application US/09721456
; Patent No. 6617110
;  GENERAL INFORMATION:
;       APPLICANT: Cech, Thomas R.
;                  Lingner, Joachim
;                  Nakamura, Toru
;                  Chapman, Karen B.
;                  Morin, Gregg B.
;                  Harley, Calvin B.
;                  Andrews, William H.
;       TITLE OF INVENTION: Human Telomerase Catalytic Subunit
;       NUMBER OF SEQUENCES: 727
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/721,456
;            FILING DATE: 22-No. 6617110-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US/08/974,549A
;            FILING DATE: 19-NOV-1997
;            APPLICATION NUMBER: US 08/724,643
;            FILING DATE: 01-OCT-1996
;            APPLICATION NUMBER: US 08/844,419
;            FILING DATE: 18-APR-1997
;            APPLICATION NUMBER: US 08/846,017
;            FILING DATE: 25-APR-1997
;            APPLICATION NUMBER: US 08/851,843
;            FILING DATE: 06-MAY-1997
;            APPLICATION NUMBER: US 08/854,050
;            FILING DATE: 09-MAY-1997
;            APPLICATION NUMBER: US 08/911,312
;            FILING DATE: 14-AUG-1997
;            APPLICATION NUMBER: US 08/912,951
;            FILING DATE: 14-AUG-1997
;            APPLICATION NUMBER: US 08/915,503
;            FILING DATE: 14-AUG-1997
;            APPLICATION NUMBER: WO PCT/US97/17618
;            FILING DATE: 01-OCT-1997
;            APPLICATION NUMBER: WO PCT/US97/17885
;            FILING DATE: 01-OCT-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Apple, Randolph Ted
;            REGISTRATION NUMBER: 36,429
;            REFERENCE/DOCKET NUMBER: 015389-002610US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;  INFORMATION FOR SEQ ID NO: 435:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 25 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
```

```
;       FEATURE:
;            NAME/KEY:  -
;            LOCATION:  1..25
;            OTHER INFORMATION:  /note= "TCP1.62 primer"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 435:
US-09-721-456-435

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        789 CCTGTCAGAAGGAGCTGGTGG 809
              |||| | ||||||||||||||||
Db         21 CCTGCCTGAAGGAGCTGGTGG 1


RESULT 728
US-09-827-998-1798
; Sequence 1798, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1798
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1798

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2310 AAGCAATTTGTTGCTGCTTGT 2330
              |||| | ||||||||||||||||
Db          5 AAGCCAGTTGTTGCTGCTTGT 25


RESULT 729
US-09-827-998-1799
; Sequence 1799, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1799
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1799

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2310 AAGCAATTTGTTGCTGCTTGT 2330
              |||| | ||||||||||||||||
Db          4 AAGCCAGTTGTTGCTGCTTGT 24


RESULT 730
US-09-827-998-1800
; Sequence 1800, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1800
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1800

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2310 AAGCAATTTGTTGCTGCTTGT 2330
              |||| | ||||||||||||||||
Db          3 AAGCCAGTTGTTGCTGCTTGT 23


RESULT 731
US-09-827-998-1801
; Sequence 1801, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1801
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1801

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2310 AAGCAATTTGTTGCTGCTTGT 2330
              |||| | ||||||||||||||||
Db          2 AAGCCAGTTGTTGCTGCTTGT 22
```

```
RESULT 732
US-09-827-998-1802
; Sequence 1802, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1802
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1802

  Query Match             0.6%;  Score 17.8;  DB 1;  Length 25;
  Best Local Similarity   90.5%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2310 AAGCAATTTGTTGCTGCTTGT 2330
                ||||  | ||||||||||||||
Db             1 AAGCCAGTTGTTGCTGCTTGT 21


RESULT 733
US-09-043-303-16/c
; Sequence 16, Application US/09043303
; Patent No. 6251589
; GENERAL INFORMATION:
;  APPLICANT: TSUJI, Shoji
;  APPLICANT: SANPEI, Kazujiro
;  TITLE OF INVENTION: Method for Diagnosing Spinocerebellar Alaxia Type 2 and
;  TITLE OF INVENTION: Primers Therefor
;  FILE REFERENCE: 0760-0241P
;  CURRENT APPLICATION NUMBER: US/09/043,303
;  CURRENT FILING DATE: 1998-05-18
;  EARLIER APPLICATION NUMBER: PCT/JP96/01999
;  EARLIER FILING DATE: 1996-07-18
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-043-303-16

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 24;
  Best Local Similarity   83.3%;  Pred. No. 8.7e+02;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         46 CGCGCGCGGCGGGGGCGGCGGCAG 69
              |||| |||||||  |||||||| |
Db         24 CGCGGGCGGCGGCTGCGGCGGCTG 1


RESULT 734
US-09-647-390-10
; Sequence 10, Application US/09647390
; Patent No. 6465636
; GENERAL INFORMATION:
;  APPLICANT:  Stuiver, Maarten
;  APPLICANT:  Custers, Jerome
;  APPLICANT:  Simons, Lambertus
;  TITLE OF INVENTION:  Pathogen-Inducible Promoter
;  FILE REFERENCE:  MOG 57707/UST
;  CURRENT APPLICATION NUMBER: US/09/647,390
;  CURRENT FILING DATE:  2000-09-29
;  PRIOR APPLICATION NUMBER:  EP 98201024.1
;  PRIOR FILING DATE:  1998-04-01
;  PRIOR APPLICATION NUMBER:  PCT/EP99/02178
;  PRIOR FILING DATE:  1999-03-25
;  NUMBER OF SEQ ID NOS:  18
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:primer
US-09-647-390-10

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 9.8e+02;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1004 GAGAAGTTGGACAAGATCGGGTTG 1027
                | |||||||  | |||||  ||||||
Db          2 GGGAAGTTGCAGAAGATTGGGTTG 25


RESULT 735
US-08-910-632-5
; Sequence 5, Application US/08910632B
; Patent No. 6077668
; GENERAL INFORMATION:
;  APPLICANT: KOOL, ERIC T.
;  TITLE OF INVENTION: HIGHLY SENSITIVE MULTIMERIC NUCLEIC ACID PROBES
;  FILE REFERENCE: 220.00010130
;  CURRENT APPLICATION NUMBER: US/08/910,632B
;  CURRENT FILING DATE: 1997-08-13
;  EARLIER APPLICATION NUMBER: 08/805,631
;  EARLIER FILING DATE: 1997-02-26
;  EARLIER APPLICATION NUMBER: 08/393,439
;  EARLIER FILING DATE: 1995-02-23
;  EARLIER APPLICATION NUMBER: 08/047,860
;  EARLIER FILING DATE: 1993-04-15
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 26
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic AS83 DNA nanocircle
US-08-910-632-5

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 26;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
                ||   ||||||| ||||||||||
Db          2 AAAAAAAAAAAACAAAAAAAAAA 25


RESULT 736
US-08-805-631A-5
; Sequence 5, Application US/08805631A
; Patent No. 6096880
;  GENERAL INFORMATION:
;    APPLICANT:  UNIVERSITY OF ROCHESTER
;    TITLE OF INVENTION:  CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;    TITLE OF INVENTION:  DNA
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
```

```
;      ADDRESSEE:  MUETING, RAASCH & GEBHARDT, P.A.
;      STREET:  119 No. 6096880th Fourth Street, Suite 201
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,631A
;      FILING DATE:  26-FEB-97
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/393,439
;      FILING DATE:  23-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/047,860
;      FILING DATE:  15-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SANDBERG, VICTORIA A.
;      REGISTRATION NUMBER:  41,287
;      REFERENCE/DOCKET NUMBER:  220.00010140
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612-305-1226
;      TELEFAX:  612-305-1228
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  circular
;    MOLECULE TYPE:  DNA (genomic)
US-08-805-631A-5

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 26;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||| ||||||||||
Db          2 AAAAAAAAAAAACAAAAAAAAAAA 25


RESULT 737
US-09-569-344-5
; Sequence 5, Application US/09569344
; Patent No. 6368802
;   GENERAL INFORMATION:
;        APPLICANT: UNIVERSITY OF ROCHESTER
;        TITLE OF INVENTION: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;                            DNA
;        NUMBER OF SEQUENCES: 72
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
;             STREET: 119 No. 6368802th Fourth Street, Suite 201
;             CITY: Minneapolis
;             STATE: Minnesota
;             COUNTRY: USA
;             ZIP: 55401
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/569,344
;             FILING DATE: 11-May-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/805,631
;             FILING DATE: 26-FEB-97
;             APPLICATION NUMBER: US 08/393,439
;             FILING DATE: 23-FEB-1995
;             APPLICATION NUMBER: US 08/047,860
;             FILING DATE: 15-APR-1993
;        ATTORNEY/AGENT INFORMATION:
;             NAME: SANDBERG, VICTORIA A.
;             REGISTRATION NUMBER: 41,287
;             REFERENCE/DOCKET NUMBER: 220.00010140
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 612-305-1226
;             TELEFAX: 612-305-1228
;   INFORMATION FOR SEQ ID NO: 5:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 26 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: circular
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-569-344-5

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 26;
  Best Local Similarity   83.3%;  Pred. No. 1.1e+03;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||| ||||||||||
Db          2 AAAAAAAAAAAACAAAAAAAAAAA 25


RESULT 738
US-08-910-632-6/c
; Sequence 6, Application US/08910632B
; Patent No. 6077668
; GENERAL INFORMATION:
;  APPLICANT: KOOL, ERIC T.
;  TITLE OF INVENTION: HIGHLY SENSITIVE MULTIMERIC NUCLEIC ACID PROBES
;  FILE REFERENCE: 220.00010130
;  CURRENT APPLICATION NUMBER: US/08/910,632B
;  CURRENT FILING DATE: 1997-08-13
;  EARLIER APPLICATION NUMBER: 08/805,631
;  EARLIER FILING DATE: 1997-02-26
;  EARLIER APPLICATION NUMBER: 08/393,439
;  EARLIER FILING DATE: 1995-02-23
;  EARLIER APPLICATION NUMBER: 08/047,860
;  EARLIER FILING DATE: 1993-04-15
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 29
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: multimer
US-08-910-632-6

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 29;
  Best Local Similarity   83.3%;  Pred. No. 1.4e+03;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||| ||||||||||
Db         29 AAAAAAAAAAAACAAAAAAAAAAA 6


RESULT 739
US-08-805-631A-6/c
; Sequence 6, Application US/08805631A
; Patent No. 6096880
;  GENERAL INFORMATION:
;    APPLICANT:  UNIVERSITY OF ROCHESTER
;    TITLE OF INVENTION:  CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
```

```
;    TITLE OF INVENTION:  DNA
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MUETING, RAASCH & GEBHARDT, P.A.
;      STREET:  119 No. 6096880th Fourth Street, Suite 201
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,631A
;      FILING DATE:  26-FEB-97
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/393,439
;      FILING DATE:  23-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/047,860
;      FILING DATE:  15-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SANDBERG, VICTORIA A.
;      REGISTRATION NUMBER:  41,287
;      REFERENCE/DOCKET NUMBER:  220.00010140
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612-305-1226
;      TELEFAX:  612-305-1228
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-805-631A-6

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 29;
  Best Local Similarity   83.3%;  Pred. No. 1.4e+03;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||| ||||||||||
Db         29 AAAAAAAAAAAACAAAAAAAAAAA 6


RESULT 740
US-09-569-344-6/c
; Sequence 6, Application US/09569344
; Patent No. 6368802
;   GENERAL INFORMATION:
;        APPLICANT: UNIVERSITY OF ROCHESTER
;        TITLE OF INVENTION: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;                            DNA
;        NUMBER OF SEQUENCES: 72
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
;             STREET: 119 No. 6368802th Fourth Street, Suite 201
;             CITY: Minneapolis
;             STATE: Minnesota
;             COUNTRY: USA
;             ZIP: 55401
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/569,344
;             FILING DATE: 11-May-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/805,631
;             FILING DATE: 26-FEB-97
;             APPLICATION NUMBER: US 08/393,439
;             FILING DATE: 23-FEB-1995
;             APPLICATION NUMBER: US 08/047,860
;             FILING DATE: 15-APR-1993
;        ATTORNEY/AGENT INFORMATION:
;             NAME: SANDBERG, VICTORIA A.
;             REGISTRATION NUMBER: 41,287
;             REFERENCE/DOCKET NUMBER: 220.00010140
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 612-305-1226
;             TELEFAX: 612-305-1228
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 29 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-569-344-6

  Query Match             0.6%;  Score 17.6;  DB 1;  Length 29;
  Best Local Similarity   83.3%;  Pred. No. 1.4e+03;
  Matches   20;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||||||| ||||||||||
Db         29 AAAAAAAAAAAACAAAAAAAAAAA 6


RESULT 741
US-08-108-591B-4
; Sequence 4, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-4

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 20;
  Best Local Similarity   94.7%;  Pred. No. 5.3e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              ||||| ||||||||||||
Db          1 AAAAAGAAAAAAAAAAAA 19


RESULT 742
US-09-588-950A-5/c
; Sequence 5, Application US/09588950A
; Patent No. 6399305
; GENERAL INFORMATION:
;  APPLICANT: Makino, Yoshihiko
;  APPLICANT:  Abe, Yoshihiko
```

```
;  APPLICANT:  Ogawa, Masashi
;  APPLICANT:  Takagi, Makoto
;  APPLICANT:  Takenaka, Shigeori
;  APPLICANT:  Yamashita, Kenichi
;  TITLE OF INVENTION: Protection of Partial Complementary Nucleic Acid Fragment Using a
;  TITLE OF INVENTION:  Electroconductive Chip and Intercalator
;  FILE REFERENCE: JG-YY-4980/500569.20039
;  CURRENT APPLICATION NUMBER: US/09/588,950A
;  CURRENT FILING DATE:  2000-06-07
;  PRIOR APPLICATION NUMBER: Japan 11-159339
;  PRIOR FILING DATE: 1999-06-07
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthesized
US-09-588-950A-5

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 20;
  Best Local Similarity   94.7%;  Pred. No. 5.3e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
                ||||||||| |||||||||
Db         20 AAAAAAAAATAAAAAAAAA 2


RESULT 743
US-09-475-947A-119/c
; Sequence 119, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 119
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-119

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 21;
  Best Local Similarity   94.7%;  Pred. No. 6.2e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
                ||||||||| |||||||||
Db         21 AAAAAAAAATAAAAAAAAA 3


RESULT 744
US-08-704-966-7/c
; Sequence 7, Application US/08704966
; Patent No. 6013523
;  GENERAL INFORMATION:
;    APPLICANT:  Adang, Michael J.
;    APPLICANT:  Rocheleau, Thomas A.
;    APPLICANT:  Merlo, Donald
;    APPLICANT:  Murray, Elizabeth E.
;    TITLE OF INVENTION:  Synthetic Insecticidal Crystal Protein
;    TITLE OF INVENTION:  Gene
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Saliwanchik, Lloyd & Saliwanchik
;      STREET:  1000 Legion Place, Suite 1750
;      CITY:  Orlando
;      STATE:  Florida
;      COUNTRY:  USA
;      ZIP:  32801
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/704,966
;      FILING DATE:  29-AUG-1996
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/369,839
;      FILING DATE:  06-JAN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/057,191
;      FILING DATE:  03-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/827,844
;      FILING DATE:  28-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/242,482
;      FILING DATE:  09-SEP-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lloyd, Jeff
;      REGISTRATION NUMBER:  35,589
;      REFERENCE/DOCKET NUMBER:  MPS 8-88AFD3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  407-426-7500
;      TELEFAX:  407-839-8589
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-704-966-7

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 21;
  Best Local Similarity   94.7%;  Pred. No. 6.2e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAAAA 2802
                || |||||||||||||||
Db         19 TGCAAAAAAAAAAAAAAAA 1


RESULT 745
US-08-705-438-7/c
; Sequence 7, Application US/08705438
; Patent No. 6015891
;  GENERAL INFORMATION:
;    APPLICANT:  Adang, Michael J.
;    APPLICANT:  Rocheleau, Thomas A.
;    APPLICANT:  Merlo, Donald
;    APPLICANT:  Murray, Elizabeth E.
;    TITLE OF INVENTION:  Synthetic Insecticidal Crystal Protein
;    TITLE OF INVENTION:  Gene
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Saliwanchik, Lloyd & Saliwanchik
;      STREET:  1000 Legion Place, Suite 1750
;      CITY:  Orlando
;      STATE:  Florida
;      COUNTRY:  USA
;      ZIP:  32801
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/705,438
;       FILING DATE:  29-AUG-1996
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/369,839
;       FILING DATE:  06-JAN-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/057,191
;       FILING DATE:  03-MAY-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/827,844
;       FILING DATE:  28-JAN-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/242,482
;       FILING DATE:  09-SEP-1988
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lloyd, Jeff
;       REGISTRATION NUMBER:  35,589
;       REFERENCE/DOCKET NUMBER:  MPS 8-88AFD4
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  407-426-7500
;       TELEFAX:  407-839-8589
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-705-438-7

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 21;
  Best Local Similarity   94.7%;  Pred. No. 6.2e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAAAA 2802
                || ||||||||||||||||
Db         19 TGCAAAAAAAAAAAAAAAA 1


RESULT 746
US-08-621-914A-5
; Sequence 5, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-5

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 23;
  Best Local Similarity   94.7%;  Pred. No. 8.3e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTT 2183
              || ||||||||||||||||
Db          4 CTGTTTTTTTTTTTTTTT 22


RESULT 747
US-08-621-914A-5/c
; Sequence 5, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-5

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 23;
  Best Local Similarity   94.7%;  Pred. No. 8.3e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2803
              ||||||||||||||||| |
Db         23 GAAAAAAAAAAAAAAAACA 5


RESULT 748
```

```
US-09-056-052-8
; Sequence 8, Application US/09056052
; Patent No. 6090556
; GENERAL INFORMATION:
;  APPLICANT: Kato, Kikuya
;  TITLE OF INVENTION: Adaptor-Tagged Competitive PCR
;  FILE REFERENCE: 07898/026001
;  CURRENT APPLICATION NUMBER: US/09/056,052
;  CURRENT FILING DATE: 1998-04-06
;  EARLIER APPLICATION NUMBER: JP88495/1997
;  EARLIER FILING DATE: 1997-04-07
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-056-052-8

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 23;
  Best Local Similarity   94.7%;  Pred. No. 8.3e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTT 2183
              || |||||||||||||||||
Db          4 CTGTTTTTTTTTTTTTTTT 22


RESULT 749
US-09-721-154-6/c
; Sequence 6, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
;  APPLICANT: Vaisberg, Eugeni
;  APPLICANT:  Adams, Cynthia
;  APPLICANT:  Sabry, James
;  APPLICANT:  Crompton, Anne
;  TITLE OF INVENTION: Database system including computer code
;  TITLE OF INVENTION:  for predictive cellular bioinformatics
;  FILE REFERENCE: CytoP007C2
;  CURRENT APPLICATION NUMBER: US/09/721,154
;  CURRENT FILING DATE:  2002-06-14
;  PRIOR APPLICATION NUMBER: 09/311,996
;  PRIOR FILING DATE: 1999-05-14
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Psuedo-sequence
US-09-721-154-6

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 24;
  Best Local Similarity   94.7%;  Pred. No. 9.4e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              ||||| ||||||||||||
Db         24 AAAAACAAAAAAAAAAAA 6


RESULT 750
US-09-721-154-2/c
; Sequence 2, Application US/09721154
; Patent No. 6651008
; GENERAL INFORMATION:
;  APPLICANT: Vaisberg, Eugeni
;  APPLICANT:  Adams, Cynthia
;  APPLICANT:  Sabry, James
;  APPLICANT:  Crompton, Anne
;  TITLE OF INVENTION: Database system including computer code
;  TITLE OF INVENTION:  for predictive cellular bioinformatics
;  FILE REFERENCE: CytoP007C2
;  CURRENT APPLICATION NUMBER: US/09/721,154
;  CURRENT FILING DATE:  2002-06-14
;  PRIOR APPLICATION NUMBER: 09/311,996
;  PRIOR FILING DATE: 1999-05-14
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Psuedo-sequence
US-09-721-154-2

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 24;
  Best Local Similarity   94.7%;  Pred. No. 9.4e+02;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              |||||||||||||||| |||
Db         24 AAAAAAAAAAAAAAAATAAA 6


RESULT 751
US-08-858-767-22
; Sequence 22, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-767-22
```

```
  Query Match             0.6%;  Score 17.4;  DB 1;  Length 28;
  Best Local Similarity   94.7%;  Pred. No. 1.4e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2803
              | ||||||||||||||||||
Db          9 GCAAAAAAAAAAAAAAAAA 27


RESULT 752
US-08-863-028-22
; Sequence 22, Application US/08863028
; Patent No. 5853991
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-22

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 28;
  Best Local Similarity   94.7%;  Pred. No. 1.4e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2803
              | ||||||||||||||||||
Db          9 GCAAAAAAAAAAAAAAAAA 27


RESULT 753
US-09-725-265-9/c
; Sequence 9, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOLE
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DATA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-9

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              |||||||||||||| ||||
Db         30 AAAAAAAAAAAAAAGAAAA 12


RESULT 754
US-09-725-265-10/c
; Sequence 10, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOLE
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DATA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-10

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              |||||||||||||| |||||
Db         30 AAAAAAAAAAAAAGAAAAA 12
```

```
RESULT 755
US-09-725-265-11/c
; Sequence 11, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-11

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
                ||||||||||||| ||||||
Db         30 AAAAAAAAAAAAGAAAAAA 12


RESULT 756
US-09-725-265-4/c
; Sequence 4, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-4

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
                ||||||||||||| ||||
Db         30 AAAAAAAAAAAAAACAAAA 12


RESULT 757
US-09-725-265-5/c
; Sequence 5, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-5

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
                ||||||||||||| |||||
Db         30 AAAAAAAAAAAAAACAAAAA 12


RESULT 758
US-09-725-265-6/c
; Sequence 6, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO'
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL'
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT.
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
```

```
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-6

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              |||||||||||| ||||||
Db         30 AAAAAAAAAAAACAAAAAA 12


RESULT 759
US-09-725-265-7/c
; Sequence 7, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-7

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              |||||||||||| ||||||
Db         30 AAAAAAAAAAAACAAAAAA 12


RESULT 760
US-09-725-265-8/c
; Sequence 8, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-8

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              |||||||||||| ||||||
Db         30 AAAAAAAAAAAACAAAAAA 12


RESULT 761
US-09-725-265-12/c
; Sequence 12, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
;   LENGTH: 30
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-12

  Query Match             0.6%;  Score 17.4;  DB 1;  Length 30;
  Best Local Similarity   94.7%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              |||||||||||| ||||||
Db         30 AAAAAAAAAAAAGAAAAAA 12


RESULT 762
US-09-725-265-13/c
; Sequence 13, Application US/09725265
```

; Patent No. 6492121
; GENERAL INFORMATION:
; APPLICANT: KURANE, RYUICHIRO
; APPLICANT: KANAGAWA, TAKAHIRO
; APPLICANT: KAMAGATA, YOICHI
; APPLICANT: YAMADA, KAZUTAKA
; APPLICANT: YOKOMAKU, TOYOKAZU
; APPLICANT: KOYAMA, OSAMU
; APPLICANT: FURUSHO, KENTA
; TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
; TITLE OF INVENTION: NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
; TITLE OF INVENTION: THE METHOD
; FILE REFERENCE: 199953US0XDIV
; CURRENT APPLICATION NUMBER: US/09/725,265
; CURRENT FILING DATE: 2000-11-29
; PRIOR APPLICATION NUMBER: US 09/556,127
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: JP 1999-111601
; PRIOR FILING DATE: 1999-04-20
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 30
; TYPE: DNA
; ORGANISM: ARTIFICIAL SEQUENCE
; FEATURE:
; OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-13

Query Match 0.6%; Score 17.4; DB 1; Length 30;
Best Local Similarity 94.7%; Pred. No. 1.7e+03;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAA 2804
||||||||||.||||||||
Db 30 AAAAAAAAAAGAAAAAAAA 12

RESULT 763
US-09-130-079-1
; Sequence 1, Application US/09130079
; Patent No. 6270966
; GENERAL INFORMATION:
; APPLICANT: The United States of America, as represented by the
; APPLICANT: Secretary, Department of Health and Human Services
; TITLE OF INVENTION: RESTRICTION DISPLAY (RD-PCR) OF DIFFERENTIALLY EXPRESS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive, 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/130,079
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/011/379
; FILING DATE: 09-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kirkpatrick, Anita M
; REGISTRATION NUMBER: 32,617
; REFERENCE/DOCKET NUMBER: NIH108.001VPC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-235-8550
; TELEFAX: 619-235-0176
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: mRNA
US-09-130-079-1

Query Match 0.6%; Score 17.2; DB 1; Length 19;
Best Local Similarity 94.4%; Pred. No. 4.8e+02;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2785 GAAAAAAAAAAAAAAAAA 2802
:||||||||||||||||
Db 2 BAAAAAAAAAAAAAAAAA 19

RESULT 764
US-09-130-079-1/c
; Sequence 1, Application US/09130079
; Patent No. 6270966
; GENERAL INFORMATION:
; APPLICANT: The United States of America, as represented by the
; APPLICANT: Secretary, Department of Health and Human Services
; TITLE OF INVENTION: RESTRICTION DISPLAY (RD-PCR) OF DIFFERENTIALLY EXPRESS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive, 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/130,079
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/011/379
; FILING DATE: 09-FEB-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kirkpatrick, Anita M
; REGISTRATION NUMBER: 32,617
; REFERENCE/DOCKET NUMBER: NIH108.001VPC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-235-8550
; TELEFAX: 619-235-0176
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: mRNA
US-09-130-079-1

Query Match 0.6%; Score 17.2; DB 1; Length 19;
Best Local Similarity 94.4%; Pred. No. 4.8e+02;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2170 TTTTTTTTTTTTTTTTA 2187
||||||||||||||||:
Db 19 TTTTTTTTTTTTTTTTV 2

```
RESULT 765
US-08-621-914A-6
; Sequence 6, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-6

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 23;
  Best Local Similarity   86.4%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTT 2183
              |||   ||||||||||||||||
Db          1 CTCGAGTTTTTTTTTTTTTTT 22


RESULT 766
US-09-056-052-9
; Sequence 9, Application US/09056052
; Patent No. 6090556
; GENERAL INFORMATION:
;  APPLICANT: Kato, Kikuya
;  TITLE OF INVENTION: Adaptor-Tagged Competitive PCR
;  FILE REFERENCE: 07898/026001
;  CURRENT APPLICATION NUMBER: US/09/056,052
;  CURRENT FILING DATE: 1998-04-06
;  EARLIER APPLICATION NUMBER: JP88495/1997
;  EARLIER FILING DATE: 1997-04-07
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-056-052-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 23;
  Best Local Similarity   86.4%;  Pred. No. 9e+02;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTT 2183
              |||   ||||||||||||||||
Db          1 CTCGAGTTTTTTTTTTTTTTT 22


RESULT 767
US-08-805-814-9/c
; Sequence 9, Application US/08805814
; Patent No. 5716820
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jon
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pioneer Hi-Bred International
;      STREET:  700 Capital Square, 400 Locust Street
;      CITY:  Des Moines
;      STATE:  IA
;      COUNTRY:  USA
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  Microsoft Windows 3.1 - No. 5716820epad
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,814
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Roth, Michael J.
;      REGISTRATION NUMBER:  29,342
;      REFERENCE/DOCKET NUMBER:  0272 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515-248-4895
;      TELEFAX:  515-248-4934
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 bases
;      TYPE:  nucleotide
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  probe
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-805-814-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              :||||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAAA 11


RESULT 768
US-08-484-815-9/c
; Sequence 9, Application US/08484815
; Patent No. 5792931
;  GENERAL INFORMATION:
;    APPLICANT:  DUVICK, JONATHAN
;    APPLICANT:  ROOD, TRACY A.
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  12
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pioneer Hi-Bred International
;      STREET:  700 Capital Square, 400 Locust Street
;      CITY:  Des Moines
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,815
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bobrowicz, Donna I.
;      REGISTRATION NUMBER:  32,196
;      REFERENCE/DOCKET NUMBER:  0272 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515 248-4895
;      TELEFAX:  515 248-4934
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-484-815-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              :||||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAAA 11


RESULT 769
US-08-888-949-9/c
; Sequence 9, Application US/08888949
; Patent No. 6025188
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jonathan
;    APPLICANT:  Maddox, Joyce R.
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PIONEER HI-BRED INTERNATIONAL, INC.
;      STREET:  Darwin Building, 7100 N.W. 62nd Ave., P.O.
;      STREET:  Box 1000
;      CITY:  Johnston
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50131
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/888,949
;      FILING DATE:  07-JUL-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/484,815
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/289,595
;      FILING DATE:  12-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sweeney, Patricia A.
;      REGISTRATION NUMBER:  32,733
;      REFERENCE/DOCKET NUMBER:  272R3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (515) 248-4800
;      TELEFAX:  (515) 248-4844
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-888-949-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              :||||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAAA 11


RESULT 770
US-08-888-950-9/c
; Sequence 9, Application US/08888950
; Patent No. 6229071
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jonathan
;    APPLICANT:  Maddox, Joyce R.
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PIONEER HI-BRED INTERNATIONAL, INC.
;      STREET:  Darwin Building, 7100 N.W. 62nd Ave., P.O.
;      STREET:  Box 1000
;      CITY:  Johnston
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50131
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/888,950
;      FILING DATE:  07-JUL-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/484,815
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/289,595
;      FILING DATE:  12-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sweeney, Patricia A.
;      REGISTRATION NUMBER:  32,733
;      REFERENCE/DOCKET NUMBER:  272R2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (515) 248-4800
;      TELEFAX:  (515) 248-4844
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-888-950-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11


RESULT 771
US-09-262-758-9/c
; Sequence 9, Application US/09262758
; Patent No. 6239330
;  GENERAL INFORMATION:
;    APPLICANT:  Duvick, Jonathan
;    APPLICANT:  Maddox, Joyce R.
;    APPLICANT:  Rood, Tracy A.
;    APPLICANT:  Wang, Xun
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PIONEER HI-BRED INTERNATIONAL, INC.
;      STREET:  Darwin Building, 7100 N.W. 62nd Ave., P.O.
;      STREET:  Box 1000
;      CITY:  Johnston
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50131
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/262,758
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/484,815
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/289,595
;      FILING DATE:  12-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sweeney, Patricia A.
;      REGISTRATION NUMBER:  32,733
;      REFERENCE/DOCKET NUMBER:  272R3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (515) 248-4800
;      TELEFAX:  (515) 248-4844
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-262-758-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11


RESULT 772
US-08-821-827C-19/c
; Sequence 19, Application US/08821827C
; Patent No. 6297425
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561A
;  CURRENT APPLICATION NUMBER: US/08/821,827C
;  CURRENT FILING DATE:  1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 19
;    LENGTH: 28
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: primer
US-08-821-827C-19

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11


RESULT 773
US-09-290-202B-19/c
; Sequence 19, Application US/09290202B
; Patent No. 6303846
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561D
;  CURRENT APPLICATION NUMBER: US/09/290,202B
;  CURRENT FILING DATE:  1999-04-12
;  PRIOR APPLICATION NUMBER: 08/821,827
;  PRIOR FILING DATE: 1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 19
;    LENGTH: 28
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: primer
US-09-290-202B-19

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11


RESULT 774
US-09-885-876-9/c
; Sequence 9, Application US/09885876
; Patent No. 6514749
; GENERAL INFORMATION:
;  APPLICANT: DUVICK, JON
;  APPLICANT:  MADDOX, JOYCE R.
;  APPLICANT:  ROOD, TRACY A.
```

```
;  TITLE OF INVENTION: FUMONISIN DETOXIFICATION COMPOSITIONS AND METHODS
;  FILE REFERENCE: 0272R2CD2
;  CURRENT APPLICATION NUMBER: US/09/885,876
;  CURRENT FILING DATE:  2001-06-20
;  PRIOR APPLICATION NUMBER: 09/758,063
;  PRIOR FILING DATE: 2001-01-10
;  PRIOR APPLICATION NUMBER: 08/888,950
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: 08/484,815
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/289,595
;  PRIOR FILING DATE: 1994-08-12
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Exophiala spinifera
US-09-885-876-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11


RESULT 775
US-09-885-901-9/c
; Sequence 9, Application US/09885901
; Patent No. 6573075
; GENERAL INFORMATION:
;  APPLICANT: DUVICK, JON
;  APPLICANT:  MADDOX, JOYCE R.
;  APPLICANT:  WANG, XUN
;  TITLE OF INVENTION: FUMONISIN DETOXIFICATION COMPOSITIONS AND METHODS
;  FILE REFERENCE: 0272R2CD
;  CURRENT APPLICATION NUMBER: US/09/885,901
;  CURRENT FILING DATE:  2001-06-20
;  PRIOR APPLICATION NUMBER: 09/758,063
;  PRIOR FILING DATE: 2001-01-10
;  PRIOR APPLICATION NUMBER: 08/888,950
;  PRIOR FILING DATE: 1997-07-07
;  PRIOR APPLICATION NUMBER: 08/484,815
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: 08/289,595
;  PRIOR FILING DATE: 1994-08-12
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Exophiala spinifera
US-09-885-901-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11


RESULT 776
US-09-731-393-9/c
; Sequence 9, Application US/09731393
; Patent No. 6670189
; GENERAL INFORMATION:
;  APPLICANT:  Duvick, Jonathan
;  TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS AND METHODS
;  FILE REFERENCE:  0272R3DD
;  CURRENT APPLICATION NUMBER: US/09/731,393
;  CURRENT FILING DATE:  2000-12-05
;  PRIOR APPLICATION NUMBER:  09/262,758
;  PRIOR FILING DATE:  1999-03-04
;  PRIOR APPLICATION NUMBER:  08/888,949
;  PRIOR FILING DATE:  1997-07-07
;  PRIOR APPLICATION NUMBER:  08/289,595
;  PRIOR FILING DATE:  1994-08-12
;  NUMBER OF SEQ ID NOS:  17
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 28
;   TYPE: DNA
;   ORGANISM: Exophiala spinifera
US-09-731-393-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11


RESULT 777
PCT-US95-10284-9/c
; Sequence 9, Application PC/TUS9510284
;  GENERAL INFORMATION:
;    APPLICANT:  PIONEER HI-BRED INTERNATIONAL, INC.
;    TITLE OF INVENTION:  FUMONISIN DETOXIFICATION COMPOSITIONS
;    TITLE OF INVENTION:  AND METHODS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pioneer Hi-Bred International
;      STREET:  700 Capital Square, 400 Locust Street
;      CITY:  Des Moines
;      STATE:  Iowa
;      COUNTRY:  USA
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/10284
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bobrowicz, Donna I.
;      REGISTRATION NUMBER:  32,196
;      REFERENCE/DOCKET NUMBER:  0272-PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515 248-4895
;      TELEFAX:  515 248-4844
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
PCT-US95-10284-9

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 28;
  Best Local Similarity   94.4%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              :|||||||||||||||||
Db         28 BAAAAAAAAAAAAAAAA 11
```

```
RESULT 778
US-08-435-350-118/c
; Sequence 118, Application US/08435350
; Patent No. 5599704
;  GENERAL INFORMATION:
;    APPLICANT:  James D. Thompson
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR
;    TITLE OF INVENTION:  TREATMENT OF BREAST CANCER
;    NUMBER OF SEQUENCES:  118
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,350
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/936,531
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  197/245
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  35
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-350-118

  Query Match             0.6%;  Score 17.2;  DB 1;  Length 35;
  Best Local Similarity   86.4%;  Pred. No. 2.1e+03;
  Matches   19;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAAAAAAA 2804
              || |||||| |||| |||||||
Db         33 TTAAAAAAACAAAACAAAAAAA 12


RESULT 779
US-08-851-843A-132
; Sequence 132, Application US/08851843A
; Patent No. 6093809
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6093809el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/851,843A
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/846,017
;      FILING DATE:  25-APR-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/844,419
;      FILING DATE:  18-APR-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/724,643
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Apple,  Randolph T.
;      REGISTRATION NUMBER:  36,429
;      REFERENCE/DOCKET NUMBER:  015389-002930US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  132:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-851-843A-132

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2182
              |||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTT 17


RESULT 780
US-08-851-843A-132/c
; Sequence 132, Application US/08851843A
; Patent No. 6093809
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6093809el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

```
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/851,843A
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/846,017
;      FILING DATE:  25-APR-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/844,419
;      FILING DATE:  18-APR-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/724,643
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Apple,  Randolph T.
;      REGISTRATION NUMBER:  36,429
;      REFERENCE/DOCKET NUMBER:  015389-002930US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  132:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-851-843A-132

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         17 AAAAAAAAAAAAAAAAA 1


RESULT 781
US-09-250-075-5
; Sequence 5, Application US/09250075
; Patent No. 6207819
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Maier, Martin A
;  TITLE OF INVENTION:  Compounds Processes And Intermediates For Synthesis Of
;  TITLE OF INVENTION:  Mixed Backbone Oligomeric Compounds
;  FILE REFERENCE:  ISIS3299
;  CURRENT APPLICATION NUMBER: US/09/250,075
;  CURRENT FILING DATE:  1999-02-12
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(17)
;   OTHER INFORMATION: 2'-methoxyethoxy (MOE); modified linkage
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6207819el
;   OTHER INFORMATION: Sequence
US-09-250-075-5

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2182
              |||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTT 17


RESULT 782
US-09-250-075-5/c
; Sequence 5, Application US/09250075
; Patent No. 6207819
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Maier, Martin A
;  TITLE OF INVENTION:  Compounds Processes And Intermediates For Synthesis Of
;  TITLE OF INVENTION:  Mixed Backbone Oligomeric Compounds
;  FILE REFERENCE:  ISIS3299
;  CURRENT APPLICATION NUMBER: US/09/250,075
;  CURRENT FILING DATE:  1999-02-12
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(17)
;   OTHER INFORMATION: 2'-methoxyethoxy (MOE); modified linkage
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6207819el
;   OTHER INFORMATION: Sequence
US-09-250-075-5

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         17 AAAAAAAAAAAAAAAAA 1


RESULT 783
US-08-854-050-132
; Sequence 132, Application US/08854050
; Patent No. 6261836
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6261836el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/854,050
;      FILING DATE:  09-MAY-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/851,843
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  US 08/846,017
;       FILING DATE:  25-APR-1997
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/844,419
;       FILING DATE:  18-APR-1997
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/724,643
;       FILING DATE:  01-OCT-1996
;       CLASSIFICATION:  536
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Apple,  Randolph T.
;       REGISTRATION NUMBER:  36,429
;       REFERENCE/DOCKET NUMBER:  015389-002930US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  132:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-854-050-132

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2182
              |||||||||||||||||
Db          1 TTTTTTTTTTTTTTTTT 17


RESULT 784
US-08-854-050-132/c
; Sequence 132, Application US/08854050
; Patent No. 6261836
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6261836el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/854,050
;      FILING DATE:  09-MAY-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/851,843
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/846,017
;      FILING DATE:  25-APR-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/844,419
;      FILING DATE:  18-APR-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/724,643
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Apple,  Randolph T.
;      REGISTRATION NUMBER:  36,429
;      REFERENCE/DOCKET NUMBER:  015389-002930US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  132:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-854-050-132

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         17 AAAAAAAAAAAAAAAAA 1


RESULT 785
US-09-430-323-132
; Sequence 132, Application US/09430323
; Patent No. 6309867
;  GENERAL INFORMATION:
;       APPLICANT: Cech, Thomas R.
;                  Lingner, Joachim
;                  Nakamura, Toru
;                  Chapman, Karen B.
;                  Morin, Gregg B.
;                  Harley, Calvin
;                  Andrews, William H.
;       TITLE OF INVENTION: No. 6309867el Telomerase
;       NUMBER OF SEQUENCES: 225
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, 8th Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: United States of America
;            ZIP: 94111
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/430,323
;            FILING DATE: 29-Oct-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/854,050
;            FILING DATE: 09-MAY-1997
;            APPLICATION NUMBER: US 08/851,843
;            FILING DATE: 06-MAY-1997
;            APPLICATION NUMBER: US 08/846,017
;            FILING DATE: 25-APR-1997
;            APPLICATION NUMBER: US 08/844,419
;            FILING DATE: 18-APR-1997
;            APPLICATION NUMBER: US 08/724,643
;            FILING DATE: 01-OCT-1996
```

```
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Apple,  Randolph T.
;            REGISTRATION NUMBER: 36,429
;            REFERENCE/DOCKET NUMBER: 015389-002930US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 132:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 17 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 132:
US-09-430-323-132

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 17


RESULT 786
US-09-430-323-132/c
; Sequence 132, Application US/09430323
; Patent No. 6309867
;   GENERAL INFORMATION:
;       APPLICANT: Cech, Thomas R.
;                  Lingner, Joachim
;                  Nakamura, Toru
;                  Chapman, Karen B.
;                  Morin, Gregg B.
;                  Harley, Calvin
;                  Andrews, William H.
;       TITLE OF INVENTION: No. 6309867el Telomerase
;       NUMBER OF SEQUENCES: 225
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, 8th Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: United States of America
;            ZIP: 94111
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/430,323
;            FILING DATE: 29-Oct-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/854,050
;            FILING DATE: 09-MAY-1997
;            APPLICATION NUMBER: US 08/851,843
;            FILING DATE: 06-MAY-1997
;            APPLICATION NUMBER: US 08/846,017
;            FILING DATE: 25-APR-1997
;            APPLICATION NUMBER: US 08/844,419
;            FILING DATE: 18-APR-1997
;            APPLICATION NUMBER: US 08/724,643
;            FILING DATE: 01-OCT-1996
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Apple,  Randolph T.
;            REGISTRATION NUMBER: 36,429
;            REFERENCE/DOCKET NUMBER: 015389-002930US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 132:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 17 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 132:
US-09-430-323-132

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
              ||||||||||||||||
Db         17 AAAAAAAAAAAAAAAA 1


RESULT 787
US-08-584-040-2550
; Sequence 2550, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2550:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2550

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 3.6e+02;
  Matches    1;  Conservative   16;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2165 CTTTTTTTTTTTTTTT 2181
              |:::::::::::::::
Db          1 CUUUUUUUUUUUUUUU 17


RESULT 788
US-08-584-040-2551/c
; Sequence 2551, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2551:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2551

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2801
              |||||||||||||||||
Db         17 GAAAAAAAAAAAAAAAA 1


RESULT 789
US-09-619-103-23
; Sequence 23, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 23
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-23

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db          1 AAAAAAAAAAAAAAAAA 17


RESULT 790
US-09-619-103-23/c
; Sequence 23, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 23
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-23

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              |||||||||||||||||
Db         17 TTTTTTTTTTTTTTTT 1


RESULT 791
US-09-726-096A-5
; Sequence 5, Application US/09726096A
; Patent No. 6462184
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT:  Maier, Martin A.
;  TITLE OF INVENTION: Compounds Processes And Intermediates For Synthesis Of Mixed Backb
;  TITLE OF INVENTION:  Oligomeric Compounds
;  FILE REFERENCE: ISIS4528
;  CURRENT APPLICATION NUMBER: US/09/726,096A
;  CURRENT FILING DATE:  2000-11-29
;  NUMBER OF SEQ ID NOS: 12
```

```
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: 2'-methoxyethoxy (MOE); phosphorothioate
;   OTHER INFORMATION: internucleoside linkage
US-09-726-096A-5

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
             ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 17


RESULT 792
US-09-726-096A-5/c
; Sequence 5, Application US/09726096A
; Patent No. 6462184
; GENERAL INFORMATION:
;  APPLICANT: Mancharan, Muthiah
;  APPLICANT:  Maier, Martin A.
;  TITLE OF INVENTION: Compounds Processes And Intermediates For Synthesis Of Mixed Back
;  TITLE OF INVENTION:  Oligomeric Compounds
;  FILE REFERENCE: ISIS4528
;  CURRENT APPLICATION NUMBER: US/09/726,096A
;  CURRENT FILING DATE:  2000-11-29
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(19)
;   OTHER INFORMATION: 2'-methoxyethoxy (MOE); phosphorothioate
;   OTHER INFORMATION: internucleoside linkage
US-09-726-096A-5

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
             ||||||||||||||||
Db         17 AAAAAAAAAAAAAAAA 1


RESULT 793
US-09-371-772B-1074
; Sequence 1074, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1074
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1074

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 3.6e+02;
  Matches    1;  Conservative   16;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              |:::::::::::::::
Db          1 CUUUUUUUUUUUUUUU 17


RESULT 794
US-09-371-772B-1075/c
; Sequence 1075, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1075
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1075

  Query Match             0.6%;  Score 17;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2801
             ||||||||||||||||
Db         17 GAAAAAAAAAAAAAAA 1


RESULT 795
US-07-912-900-20/c
; Sequence 20, Application US/07912900
; Patent No. 5349125
;  GENERAL INFORMATION:
;    APPLICANT:  Holton, Timothy A.
;    APPLICANT:  Cornish, Edwina C.
;    APPLICANT:  Kovacic, Filippa
;    APPLICANT:  Tanaka, Yoshikazu
;    APPLICANT:  Lester, Diane R.
;    TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING FLAVONOID
;    TITLE OF INVENTION:  PATHWAY ENZYMES AND USES THEREFOR
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
```

```
;       STREET:  400 Garden City Plaza
;       CITY:  Garden City
;       STATE:  New York
;       COUNTRY:  U.S.A.
;       ZIP:  11530
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/912,900
;       FILING DATE:  19920713
;       CLASSIFICATION:  800
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  DiGiglio, Frank S.
;       REGISTRATION NUMBER:  31,346
;       REFERENCE/DOCKET NUMBER:  8633
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (516) 742-4343
;       TELEFAX:  (516) 742-4366
;       TELEX:  230 901 SANS UR
;   INFORMATION FOR SEQ ID NO:  20:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-07-912-900-20

  Query Match             0.6%;  Score 17;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.3e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         17 AAAAAAAAAAAAAAAAA 1


RESULT 796
US-08-285-309-20/c
; Sequence 20, Application US/08285309
; Patent No. 5569832
;  GENERAL INFORMATION:
;     APPLICANT:  Holton, Timothy A.
;     APPLICANT:  Cornish, Edwina C.
;     APPLICANT:  Kovacic, Filippa
;     APPLICANT:  Tanaka, Yoshikazu
;     APPLICANT:  Lester, Diane R.
;     TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING A 3,5'-
;     TITLE OF INVENTION:  HYDROXYLASE AND USES
;     NUMBER OF SEQUENCES:  29
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Scully, Scott, Murphy & Presser
;       STREET:  400 Garden City Plaza
;       CITY:  Garden City
;       STATE:  New York
;       COUNTRY:  U.S.A.
;       ZIP:  11530
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/285,309
;       FILING DATE:  03-AUG-1994
;       CLASSIFICATION:  800
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  DiGiglio, Frank S.
;       REGISTRATION NUMBER:  31,346
;       REFERENCE/DOCKET NUMBER:  8633Z
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (516) 742-4343
;       TELEFAX:  (516) 742-4366
;       TELEX:  230 901 SANS UR
;   INFORMATION FOR SEQ ID NO:  20:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-285-309-20

  Query Match             0.6%;  Score 17;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.3e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         17 AAAAAAAAAAAAAAAAA 1


RESULT 797
US-08-313-075A-11/c
; Sequence 11, Application US/08313075A
; Patent No. 5639870
;  GENERAL INFORMATION:
;     APPLICANT:  Holton, Timothy A.
;     APPLICANT:  Cornish, Edwina C.
;     APPLICANT:  Tanaka, Yoshikazu
;     TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING FLAVONOID
;     TITLE OF INVENTION:  PATHWAY ENZYMES AND USES THEREFOR
;     NUMBER OF SEQUENCES:  58
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Scully, Scott, Murphy & Presser
;       STREET:  400 Garden City Plaza
;       CITY:  Garden City
;       STATE:  New York
;       COUNTRY:  U.S.A.
;       ZIP:  11530
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/313,075A
;       FILING DATE:  30-NOV-1994
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  AU PL 1538/92
;       FILING DATE:  27-MAR-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  AU PL 6698/93
;       FILING DATE:  07-JAN-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  AU PCT/AU93/00127
;       FILING DATE:  25-MAR-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  DiGiglio, Frank S.
;       REGISTRATION NUMBER:  31,346
;       REFERENCE/DOCKET NUMBER:  9433
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (516) 742-4343
;       TELEFAX:  (516) 742-4366
;       TELEX:  230 901 SANS UR
;   INFORMATION FOR SEQ ID NO:  11:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
```

```
US-08-313-075A-11

  Query Match             0.6%;  Score 17;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.3e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         17 AAAAAAAAAAAAAAAAA 1


RESULT 798
US-08-502-046-20/c
; Sequence 20, Application US/08502046
; Patent No. 5861487
;  GENERAL INFORMATION:
;    APPLICANT:  Holton, Timothy A.
;    APPLICANT:  Cornish, Edwina C.
;    APPLICANT:  Kovacic, Filippa
;    APPLICANT:  Tanaka, Yoshikazu
;    APPLICANT:  Lester, Diane R.
;    TITLE OF INVENTION:  GENETIC SEQUENCES ENCODING A 3,5'-
;    TITLE OF INVENTION:  HYDROXYLASE AND USES
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/502,046
;      FILING DATE:  14-JUL-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/285,309
;      FILING DATE:  03-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8633Z
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-502-046-20

  Query Match             0.6%;  Score 17;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 6.3e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         17 AAAAAAAAAAAAAAAAA 1


RESULT 799
US-08-018-129-15/c
; Sequence 15, Application US/08018129
; Patent No. 5589375
;  GENERAL INFORMATION:
;    APPLICANT:  Ullrich, Axel
;    APPLICANT:  Vogel, Wolfgang
;    TITLE OF INVENTION:  PTP 1D: A NOVEL PROTEIN TYROSINE
;    TITLE OF INVENTION:  PHOSPHATASE
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 Avenue of Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/018,129
;      FILING DATE:  19930216
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Misrock, S. Leslie
;      REGISTRATION NUMBER:  18,872
;      REFERENCE/DOCKET NUMBER:  7683-017
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-018-129-15

  Query Match             0.6%;  Score 17;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.8e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         23 AAAAAAAAAAAAAAAAA 7


RESULT 800
US-08-448-250-15/c
; Sequence 15, Application US/08448250
; Patent No. 5981251
;  GENERAL INFORMATION:
;    APPLICANT:  Ullrich, Axel
;    APPLICANT:  Vogel, Wolfgang
;    TITLE OF INVENTION:  PTP 1D: A NOVEL PROTEIN TYROSINE
;    TITLE OF INVENTION:  PHOSPHATASE
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 Avenue of Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/448,250
;      FILING DATE:  23-MAY-1995
```

```
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/018,129
;       FILING DATE:  16-FEB-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Misrock, S. Leslie
;       REGISTRATION NUMBER:  18,872
;       REFERENCE/DOCKET NUMBER:  7683-017
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 790-9090
;       TELEFAX:  (212) 869-8864/9741
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  15:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  23 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
US-08-448-250-15

  Query Match             0.6%;  Score 17;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.8e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
                ||||||||||||||||
Db         23 AAAAAAAAAAAAAAAAA 7


RESULT 801
US-09-282-257-15/c
; Sequence 15, Application US/09282257
; Patent No. 6548641
;  GENERAL INFORMATION:
;     APPLICANT:  Ullrich, Axel
;     APPLICANT:  Vogel, Wolfgang
;     TITLE OF INVENTION:  PTP 1D: A NOVEL PROTEIN TYROSINE
;     TITLE OF INVENTION:  PHOSPHATASE
;     NUMBER OF SEQUENCES:  19
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  PENNIE & EDMONDS
;       STREET:  1155 Avenue of Americas
;       CITY:  New York
;       STATE:  New York
;       COUNTRY:  U.S.A.
;       ZIP:  10036
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/282,257
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/018,129
;       FILING DATE:  16-FEB-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Misrock, S. Leslie
;       REGISTRATION NUMBER:  18,872
;       REFERENCE/DOCKET NUMBER:  7683-017
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 790-9090
;       TELEFAX:  (212) 869-8864/9741
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  15:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  23 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  unknown
;       TOPOLOGY:  unknown
;     MOLECULE TYPE:  DNA (genomic)
US-09-282-257-15

  Query Match             0.6%;  Score 17;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 9.8e+02;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
                ||||||||||||||||
Db         23 AAAAAAAAAAAAAAAAA 7


RESULT 802
US-08-356-790-9
; Sequence 9, Application US/08356790
; Patent No. 5589622
;  GENERAL INFORMATION:
;     APPLICANT:  Gurr, Sarah J.
;     APPLICANT:  McPherson, Michael J.
;     APPLICANT:  Atkinson, Howard J.
;     APPLICANT:  Bowles, Dianna J.
;     TITLE OF INVENTION:  Plant Parasitic Nematode Control
;     NUMBER OF SEQUENCES:  10
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Reising, Ethington, Barnard, Perry & Milton
;       STREET:  P.O. Box 4390
;       CITY:  Troy
;       STATE:  Michigan
;       COUNTRY:  USA
;       ZIP:  48099
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/356,790
;       FILING DATE:
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/988,954
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Kohn, Kenneth I.
;       REGISTRATION NUMBER:  30,995
;       REFERENCE/DOCKET NUMBER:  P-338 (UDL)
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (810) 689-3500
;       TELEFAX:  (810) 689-4071
;   INFORMATION FOR SEQ ID NO:  9:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  24 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-356-790-9

  Query Match             0.6%;  Score 17;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTT 2181
                ||||||||||||||||
Db          8 CTTTTTTTTTTTTTTTT 24


RESULT 803
US-08-379-280-1
; Sequence 1, Application US/08379280
; Patent No. 5650279
;  GENERAL INFORMATION:
;     APPLICANT:  Nagpal, Sunil
;     APPLICANT:  Chandraratna, Roshantha A. S.
```

```
;    TITLE OF INVENTION:  GENE SEQUENCE INDUCED IN SKIN BY RETINOIDS
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/379,280
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Altman, Daniel E
;      REGISTRATION NUMBER:  34,115
;      REFERENCE/DOCKET NUMBER:  ALRGN.057A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-379-280-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
             |||||||||||||||||
Db          9 CCTTTTTTTTTTTTTTT 25


RESULT 804
US-09-159-496-2/c
; Sequence 2, Application US/09159496
; Patent No. 6399334
; GENERAL INFORMATION:
;  APPLICANT: Li, Wu-Bo
;  APPLICANT: Nisson, Paul
;  APPLICANT: Jessee, Joel
;  TITLE OF INVENTION: No. 6399334malized Nucleic Acid Libraries and Methods of Producti
;  FILE REFERENCE: 0942.4470001
;  CURRENT APPLICATION NUMBER: US/09/159,496
;  CURRENT FILING DATE: 1998-09-23
;  EARLIER APPLICATION NUMBER: 60/059,817
;  EARLIER FILING DATE: 1997-09-24
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of artificial sequence: synthetic oligonucleotide
US-09-159-496-2

  Query Match             0.6%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
             |||||||||||||||||
Db         17 CCTTTTTTTTTTTTTTT 1


RESULT 805
US-09-827-998-1296/c
; Sequence 1296, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1296
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1296

  Query Match             0.6%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 1.2e+03;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTGAACCCCATTCTT 1794
             |||| |||||||   |||| |||||
Db         25 CTTTCTTTTTTTTTCCCCCCTTCTT 1


RESULT 806
US-09-827-998-1803
; Sequence 1803, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1803
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1803

  Query Match             0.6%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 1.2e+03;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2311 AGCAATTTGTTGCTGCTTGTCACCC 2335
```

```
                  ||| | ||||||||||||||||   ||
Db          1 AGCCAGTTGTTGCTGCTTGTGTTCC 25


RESULT 807
US-09-827-998-1804
; Sequence 1804, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1804
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1804

  Query Match             0.6%;  Score 17;  DB 1;  Length 25;
  Best Local Similarity   80.0%;  Pred. No. 1.2e+03;
  Matches   20;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2312 GCAATTTGTTGCTGCTTGTCACCCC 2336
                || | ||||||||||||||   |||
Db          1 GCCAGTTGTTGCTGCTTGTGTTCCC 25


RESULT 808
US-08-014-943A-21/c
; Sequence 21, Application US/08014943A
; Patent No. 5545551
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  Cloning And Expression Of PUR Protein
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/014,943A
;      FILING DATE:  02)FEB)1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-033
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212 790-9090
;      TELEFAX:  212 869-8864/9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-014-943A-21

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
                ||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAA 10


RESULT 809
US-08-486-421-15/c
; Sequence 15, Application US/08486421
; Patent No. 5672479
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,421
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/470,911
;      FILING DATE:  06-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-486-421-15

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
                ||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAA 10


RESULT 810
US-08-470-911-15/c
; Sequence 15, Application US/08470911
; Patent No. 5756684
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/470,911
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-470-911-15

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAA 10


RESULT 811
US-08-486-809-15/c
; Sequence 15, Application US/08486809
; Patent No. 5869622
;  GENERAL INFORMATION:
;    APPLICANT:  Johnson, Edward M.
;    APPLICANT:  Bergemann, Andrew D.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF PUR PROTEIN
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,809
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/470,911
;      FILING DATE:  06-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A.
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6923-053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741/8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-486-809-15

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAA 10


RESULT 812
US-08-622-354-8/c
; Sequence 8, Application US/08622354
; Patent No. 5827518
;  GENERAL INFORMATION:
;    APPLICANT:  WEBB, Bruce A.
;    APPLICANT:  CUI, Liwang
;    TITLE OF INVENTION:  VIRAL AND INSECT GENES THAT INHIBIT THE
;    TITLE OF INVENTION:  IMMUNE SYSTEM AND METHODS OF USE THEREOF
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LOWE, PRICE, LEBLANC & BECKER
;      STREET:  99 Canal Center Plaza, Suite 300
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  US
;      ZIP:  22314
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/622,354
;      FILING DATE:  27-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Price, Robert L.
;      REGISTRATION NUMBER:  22,685
;      REFERENCE/DOCKET NUMBER:  434-061
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 684-1111
;      TELEFAX:  (703) 684-1124
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "PRIMER"
;    HYPOTHETICAL:  NO
US-08-622-354-8

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
```

```
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         26 AAAAAAAAAAAAAAAAA 10


RESULT 813
US-07-885-970A-1
; Sequence 1, Application US/07885970A
; Patent No. 5495070
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  GENETICALLY ENGINEERING COTTON
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  P.O. Box 2113, First Wisconsin Plaza
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/885,970A
;      FILING DATE:  19920518
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/617,239
;      FILING DATE:  21-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/253,243
;      FILING DATE:  04-OCT-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 283-2478
;      TELEFAX:  (608) 251-5139
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Oligonucleotide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-07-885-970A-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 814
US-08-298-687A-1
; Sequence 1, Application US/08298687A
; Patent No. 5521078
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  GENETICALLY ENGINEERING COTTON
;    TITLE OF INVENTION:  PLANTS FOR ALTERED FIBER
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  P.O. Box 2113, First Wisconsin Plaza
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/298,687A
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/617,239
;      FILING DATE:  21-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/253,243
;      FILING DATE:  04-OCT-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 283-2478
;      TELEFAX:  (608) 251-5139
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Oligonucleotide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-08-298-687A-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 815
US-08-241-943-1
; Sequence 1, Application US/08241943
; Patent No. 5602321
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS BIOPLASTIC
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/241,943
```

```
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  us/07/980,521
;      FILING DATE:  20-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9076-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  YES
US-08-241-943-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 816
US-08-378-588-1
; Sequence 1, Application US/08378588
; Patent No. 5608148
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS PEROXIDASE
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/378,588
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9101-2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
;    HYPOTHETICAL:  YES
US-08-378-588-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 817
US-08-298-829-1
; Sequence 1, Application US/08298829
; Patent No. 5620882
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  GENETICALLY ENGINEERING COTTON
;    TITLE OF INVENTION:  PLANTS FOR ALTERED FIBER
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  P.O. Box 2113, First Wisconsin Plaza
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/298,829
;      FILING DATE:  19-OCT-1994
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/885,970
;      FILING DATE:  18-MAY-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/617,239
;      FILING DATE:  21-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/253,243
;      FILING DATE:  04-OCT-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 283-2478
;      TELEFAX:  (608) 251-5139
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Oligonucleotide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-08-298-829-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 818
US-08-811-094-1
```

```
; Sequence 1, Application US/08811094
; Patent No. 5869720
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS PEROXIDASE
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/811,094
;      FILING DATE:  03-MAR-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/378,588
;      FILING DATE:  25-JAN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9101-2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
;    HYPOTHETICAL:  YES
US-08-811-094-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 819
US-08-602-716A-1/c
; Sequence 1, Application US/08602716A
; Patent No. 5962664
;  GENERAL INFORMATION:
;    APPLICANT:  FRIEDHOFF, Arnold J.
;    APPLICANT:  BASHAM, Daryl A.
;    APPLICANT:  MILLER, Jeanette C.
;    TITLE OF INVENTION:  PSYCHOSIS PROTECTING NUCLEIC ACID,
;    TITLE OF INVENTION:  PEPTIDES, COMPOSITIONS AND METHODS OF USE
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/602,716A
;      FILING DATE:  23-FEB-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/060,560
;      FILING DATE:  13-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05545
;      FILING DATE:  13-MAY-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  FRIEDHOFF=1A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-602-716A-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2801
              |||||||||||||||||
Db         17 GAAAAAAAAAAAAAAAA 1


RESULT 820
US-08-467-504-10
; Sequence 10, Application US/08467504
; Patent No. 6211430
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  FbLATE PROMOTER
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Quarles & Brady
;      STREET:  411 East Wisconsin Avenue
;      CITY:  Milwaukee
;      STATE:  WI
;      COUNTRY:  U.S.A.
;      ZIP:  53202-4497
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,504
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Baker, Jean C.
;      REGISTRATION NUMBER:  35,433
;      REFERENCE/DOCKET NUMBER:  110229.91152
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (414) 277-5709
;      TELEFAX:  (414) 271-3552
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
```

```
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other Nucleic Acid
US-08-467-504-10

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 821
PCT-US94-11121-1
; Sequence 1, Application PC/TUS9411121
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS PEROXIDASE
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/11121
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9076-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
;    HYPOTHETICAL:  YES
PCT-US94-11121-1

  Query Match             0.6%;  Score 17;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTT 2180
              |||||||||||||||||
Db         10 CCTTTTTTTTTTTTTTT 26


RESULT 822
US-08-858-767-13/c
; Sequence 13, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-767-13

  Query Match             0.6%;  Score 17;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         27 AAAAAAAAAAAAAAAAA 11


RESULT 823
US-08-858-767-14/c
; Sequence 14, Application US/08858767
; Patent No. 5837468
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  US/08/858,767
;       FILING DATE:  19-MAY-1997
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/481,687
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BENT, Stephen A.
;       REGISTRATION NUMBER:  29,768
;       REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
;       TELEX:  904136
;   INFORMATION FOR SEQ ID NO:  14:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  28 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-858-767-14

  Query Match             0.6%;  Score 17;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         27 AAAAAAAAAAAAAAAAA 11


RESULT 824
US-08-863-028-13/c
; Sequence 13, Application US/08863028
; Patent No. 5853991
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-13

  Query Match             0.6%;  Score 17;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         27 AAAAAAAAAAAAAAAAA 11


RESULT 825
US-08-863-028-14/c
; Sequence 14, Application US/08863028
; Patent No. 5853991
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, Xun
;    APPLICANT:  DUVICK, Jonathan P.
;    APPLICANT:  BRIGGS, Steven P.
;    TITLE OF INVENTION:  PCR-BASED CDNA SUBTRACTIVE CLONING
;    TITLE OF INVENTION:  METHOD
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,028
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,767
;      FILING DATE:  19-MAY-1997
;      APPLICATION NUMBER:  US 08/481,687
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/325/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  28 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-863-028-14

  Query Match             0.6%;  Score 17;  DB 1;  Length 28;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         27 AAAAAAAAAAAAAAAAA 11


RESULT 826
```

```
US-08-090-369-8/c
; Sequence 8, Application US/08090369
; Patent No. 6258943
;  GENERAL INFORMATION:
;    APPLICANT:  Fong, T.M.
;    APPLICANT:  Huang, R-R. C.
;    APPLICANT:  Strader, C.D.
;    TITLE OF INVENTION:  Human Neurokinin-3 Receptor
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merck & Co., Inc.
;      STREET:  P.O. Box 2000
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/090,369
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/851,974
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thies, J. E.
;      REGISTRATION NUMBER:  P-35,382
;      REFERENCE/DOCKET NUMBER:  18685
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 594-3904
;      TELEFAX:  (908) 594-4720
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-090-369-8

  Query Match             0.6%;  Score 17;  DB 1;  Length 29;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         29 AAAAAAAAAAAAAAAAA 13


RESULT 827
US-09-482-971-8/c
; Sequence 8, Application US/09482971
; Patent No. 6348330
;  GENERAL INFORMATION:
;    APPLICANT:  Fong, T.M.
;    APPLICANT:  Huang, R-R. C.
;    APPLICANT:  Strader, C.D.
;    TITLE OF INVENTION:  Human Neurokinin-3 Receptor
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merck & Co., Inc.
;      STREET:  P.O. Box 2000
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/482,971
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/090,369
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thies, J. E.
;      REGISTRATION NUMBER:  P-35,382
;      REFERENCE/DOCKET NUMBER:  18685
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908) 594-3904
;      TELEFAX:  (908) 594-4720
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  29 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-482-971-8

  Query Match             0.6%;  Score 17;  DB 1;  Length 29;
  Best Local Similarity   100.0%;  Pred. No. 1.8e+03;
  Matches   17;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||||||||||
Db         29 AAAAAAAAAAAAAAAAA 13


RESULT 828
US-08-904-901-158
; Sequence 158, Application US/08904901
; Patent No. 5998383
;  GENERAL INFORMATION:
;    APPLICANT:  Wright, Jim A.
;    APPLICANT:  Young, Aiping H.
;    TITLE OF INVENTION:  ANTITUMOR ANTISENSE SEQUENCES DIRECTED
;    TITLE OF INVENTION:  AGAINST RIBONUCLEOTIDE REDUCTASE
;    NUMBER OF SEQUENCES:  163
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KOHN & ASSOCIATES
;      STREET:  30500 No. 5998383thwestern Hwy.  Suite 410
;      CITY:  Farminton Hills
;      STATE:  Michigan
;      COUNTRY:  US
;      ZIP:  48334
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/904,901
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,955
;      REFERENCE/DOCKET NUMBER:  0227.00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (248) 539-5050
;      TELEFAX:  (248) 539-5055
;  INFORMATION FOR SEQ ID NO:  158:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
```

```
;    MOLECULE TYPE:  other nucleic acid
;    ANTI-SENSE:  YES
US-08-904-901-158

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2182
              ||| |||||||||| |||||
Db          1 TCCGTTTTTTTTTCTTTTT 20


RESULT 829
US-09-344-914-87
; Sequence 87, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 87
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-87

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2264 ATATTTATTTCAGATGTTTC 2283
              ||||||||||||  ||||||
Db          1 ATATTTATTTCATTTGTTTC 20


RESULT 830
US-09-249-730-158
; Sequence 158, Application US/09249730
; Patent No. 6121000
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT: YOUNG, Aiping H.
;  TITLE OF INVENTION: Antitumor Antisense Sequences Directed Against R1 and
;  TITLE OF INVENTION: R2 Components of Ribonucleotide Reductase
;  FILE REFERENCE: 032396-040
;  CURRENT APPLICATION NUMBER: US/09/249,730
;  CURRENT FILING DATE: 1999-02-11
;  NUMBER OF SEQ ID NOS: 220
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 158
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-09-249-730-158

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2182
              ||| |||||||||| |||||
Db          1 TCCGTTTTTTTTTCTTTTT 20


RESULT 831
US-09-593-711A-37
; Sequence 37, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-37

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         47 GCGCGCGGCGGGGGCGGCGG 66
              ||| ||||||| ||||||||
Db          1 GCGGGCGGCGGCGGCGGCGG 20


RESULT 832
US-08-108-591B-5/c
; Sequence 5, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-5

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTTT 2183
              |||||||||||||| || ||
Db         20 CCTTTTTTTTTTTTCTTCTT 1


RESULT 833
US-09-249-247-158
; Sequence 158, Application US/09249247
; Patent No. 6593305
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT: YOUNG, Aiping H.
;  TITLE OF INVENTION: Antitumor Antisense Sequences Directed Against R1 and
;  TITLE OF INVENTION: R2 Components of Ribonucleotide Reductase
;  FILE REFERENCE: 032396-023
;  CURRENT APPLICATION NUMBER: US/09/249,247
;  CURRENT FILING DATE: 1999-02-11
;  EARLIER APPLICATION NUMBER: US 60/023,040
;  EARLIER FILING DATE: 1996-08-02
```

```
;  EARLIER APPLICATION NUMBER: US 60/039,959
;  EARLIER FILING DATE: 1997-03-07
;  EARLIER APPLICATION NUMBER: US 08/904,901
;  EARLIER FILING DATE: 1997-08-01
;  NUMBER OF SEQ ID NOS: 220
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 158
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Human
US-09-249-247-158

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2182
              ||| |||||||||| |||||
Db          1 TCCGTTTTTTTTTTCTTTTT 20


RESULT 834
US-09-823-634A-16/c
; Sequence 16, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligo AGT02023
US-09-823-634A-16

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              |||||||| | |||||||||
Db         20 TTTTTTTCACATTTTTTTT 1


RESULT 835
US-09-823-647B-16/c
; Sequence 16, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligo AGT02023
US-09-823-647B-16

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 20;
  Best Local Similarity   90.0%;  Pred. No. 6.9e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              |||||||| | |||||||||
Db         20 TTTTTTTCACATTTTTTTT 1


RESULT 836
US-08-457-273B-31
; Sequence 31, Application US/08457273B
; Patent No. 5849995
;  GENERAL INFORMATION:
;    APPLICANT:  Hayden, Michael
;    APPLICANT:  Lin, Biaoyang
;    APPLICANT:  Nasir, Jamal
;    TITLE OF INVENTION:  Mouse Model for Huntington's Disease and
;    TITLE OF INVENTION:  Related DNA Sequences
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Virginia Bennett
;      STREET:  PO Box 37428
;      CITY:  Raleigh
;      STATE:  No. 5849995th Carolina
;      COUNTRY:  US
;      ZIP:  27627
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/457,273B
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Virginia C.
;      REGISTRATION NUMBER:  37,092
;      REFERENCE/DOCKET NUMBER:  3477-85A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-854-1400
;      TELEFAX:  919-854-1401
;  INFORMATION FOR SEQ ID NO:  31:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-457-273B-31

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 22;
  Best Local Similarity   90.0%;  Pred. No. 9.3e+02;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTT 2182
              ||||| |||||||| |||||
Db          1 TCCTTCTTTTTTTTATTTTT 20


RESULT 837
US-08-161-281A-10
; Sequence 10, Application US/08161281A
; Patent No. 5639595
;  GENERAL INFORMATION:
;    APPLICANT:  Mirabelli, Christopher K., Vickers, Timothy A., Ecker, David
;    APPLICANT:  J., Robertson, Debra
;    TITLE OF INVENTION:  Identification of No. 5639595el Drugs and Reagents
;    NUMBER OF SEQUENCES:  22
```

```
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Woodcock Washburn
;       ADDRESSEE:  Kurtz Mackiewicz & No. 5639595ris
;       STREET:  One Liberty Place - 46th Floor
;       CITY:  Philadelphia
;       STATE:  PA
;       COUNTRY:  USA
;       ZIP:  19103
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;       COMPUTER:  IBM PS/2
;       OPERATING SYSTEM:  PC-DOS
;       SOFTWARE:  WORDPERFECT 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/161,281A
;       FILING DATE:  Herewith
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/517,240
;       FILING DATE:  01-MAY-1990
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Rebecca Ralph Gaumond
;       REGISTRATION NUMBER:  35,152
;       REFERENCE/DOCKET NUMBER:  ISIS-0861
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (215) 568-3100
;       TELEFAX:  (215) 568-3439
;   INFORMATION FOR SEQ ID NO:  10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  25
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-161-281A-10

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 25;
  Best Local Similarity   90.0%;  Pred. No. 1.3e+03;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTT 2184
              ||| ||||||||||||||||
Db             6 CTTGGTTTTTTTTTTTTTT 25


RESULT 838
US-09-827-998-1797
; Sequence 1797, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1797
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1797

  Query Match             0.6%;  Score 16.8;  DB 1;  Length 25;
  Best Local Similarity   90.0%;  Pred. No. 1.3e+03;
  Matches   18;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2310 AAGCAATTTGTTGCTGCTTG 2329
              |||| | ||||||||||||||
Db             6 AAGCCAGTTGTTGCTGCTTG 25


RESULT 839
US-08-004-552-4
; Sequence 4, Application US/08004552
; Patent No. 5482836
;  GENERAL INFORMATION:
;    APPLICANT:  Cantor, Charles R.
;    APPLICANT:  Ito, Takashi
;    APPLICANT:  Smith, Cassandra L.
;    TITLE OF INVENTION:  DNA PURIFICATION BY TRIPLEX-AFFINITY
;    TITLE OF INVENTION:  CAPTURE AND AFFINITY CAPTURE ELECTROPHORESIS
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Karen S. Smith
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  CA 94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/004,552
;      FILING DATE:  19930114
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, Karen S.
;      REGISTRATION NUMBER:  31,426
;      REFERENCE/DOCKET NUMBER:  A-57666/KSS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-004-552-4

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 24;
  Best Local Similarity   82.6%;  Pred. No. 1.3e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTT 2177
              || |||||| |||| ||||| ||
Db             2 TTCTTTTCTTCTTTCTTTTTCTT 24


RESULT 840
US-08-374-144-3
; Sequence 3, Application US/08374144
; Patent No. 5629147
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
;    TITLE OF INVENTION:  Maternal Blood For In Situ Hybridization
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman Wilf & Fried
;      STREET:  20 West Third Street, P.O. Box 703
;      CITY:  Media
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19063-8969
;    COMPUTER READABLE FORM:
```

```
;      MEDIUM TYPE:  3.5 inch 720K diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/374,144
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gerry J. Elman
;      REGISTRATION NUMBER:  24,404
;      REFERENCE/DOCKET NUMBER:  M19-085
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-892-9580
;      TELEFAX:  610-892-9577
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-374-144-3

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGC 73
              ||||||| ||||||||| |  ||
Db          3 GCGGCGGCGGCGGCGGCGGC 25


RESULT 841
US-08-775-164-3
; Sequence 3, Application US/08775164
; Patent No. 5766843
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman & Associates
;      STREET:  20 West Third Street, P.O. Box 1969
;      CITY:  Media
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19063-8969
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch 720K diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,164
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gerry J. Elman
;      REGISTRATION NUMBER:  24,404
;      REFERENCE/DOCKET NUMBER:  M19-103
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-892-9580
;      TELEFAX:  610-892-9577
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-775-164-3

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGC 73
              ||||||| ||||||||| |  ||
Db          3 GCGGCGGCGGCGGCGGCGGC 25


RESULT 842
US-08-507-634-7/c
; Sequence 7, Application US/08507634
; Patent No. 5849563
;  GENERAL INFORMATION:
;    APPLICANT:  Miyata, Shohei
;    APPLICANT:  Ohshima, Atsushi
;    APPLICANT:  Inouye, Sumiko
;    APPLICANT:  Inouye, Masayori
;    TITLE OF INVENTION:  METHOD FOR SYNTHESIZING STABLE
;    TITLE OF INVENTION:  SINGLE-STRANDED cDNA IN EUKARYOTES BY MEANS OF A BACTERIAL
;    TITLE OF INVENTION:  RETRON, PRODUCTS AND USES THEREFOR
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Weiser & Associates
;      STREET:  230 South Fifteenth Street, Suite 500
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/507,634
;      FILING DATE:  25-JUL-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weiser, Gerard J.
;      REGISTRATION NUMBER:  19,763
;      REFERENCE/DOCKET NUMBER:  377.6282P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-875-8383
;      TELEFAX:  215-875-8394
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-507-634-7

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2531 ATATACAGGGTATTAAGAATTAA 2553
              || || |||||||||| ||| ||
Db         24 ATCTAGAGGGTATTAATAATGAA 2


RESULT 843
US-08-775-609-3
; Sequence 3, Application US/08775609
; Patent No. 5858649
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
```

```
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman & Associates
;      STREET:  20 West Third Street, P.O. Box 1969
;      CITY:  Media
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19063-8969
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch 720K diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,609
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gerry J. Elman
;      REGISTRATION NUMBER:  24,404
;      REFERENCE/DOCKET NUMBER:  M19-103
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-892-9580
;      TELEFAX:  610-892-9577
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-775-609-3

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGC 73
              ||||||| |||||||||  |  ||
Db          3 GCGGCGGCGGCGGCGGCGGCGGC 25


RESULT 844
US-08-775-607-3
; Sequence 3, Application US/08775607
; Patent No. 5861253
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman & Associates
;      STREET:  20 West Third Street, P.O. Box 1969
;      CITY:  Media
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19063-8969
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch 720K diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,607
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gerry J. Elman
;      REGISTRATION NUMBER:  24,404
;      REFERENCE/DOCKET NUMBER:  M19-103
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-892-9580
;      TELEFAX:  610-892-9577
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-775-607-3

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGC 73
              ||||||| |||||||||  |  ||
Db          3 GCGGCGGCGGCGGCGGCGGCGGC 25


RESULT 845
US-09-352-608-9
; Sequence 9, Application US/09352608
; Patent No. 6218598
; GENERAL INFORMATION:
;  APPLICANT: ISHIGE, Fumiharu
;  APPLICANT: NISHIKAWA, Satomi
;  APPLICANT: OEDA, Kenji
;  TITLE OF INVENTION: Plant Promoter
;  FILE REFERENCE: 2185-0353P
;  CURRENT APPLICATION NUMBER: US/09/352,608
;  CURRENT FILING DATE: 1999-07-13
;  EARLIER APPLICATION NUMBER: 10-200372 JAPAN
;  EARLIER FILING DATE: 1998-07-15
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:primer
US-09-352-608-9

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1896 CCCTAGATCAACAGATCAACAAT 1918
              | |||||||||||  |||||| |
Db          2 CTCTAGATCAACACCTCAACATT 24


RESULT 846
US-09-827-998-1470
; Sequence 1470, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
```

; SEQ ID NO 1470
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1470

 Query Match 0.6%; Score 16.6; DB 1; Length 25;
 Best Local Similarity 82.6%; Pred. No. 1.4e+03;
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 444 CGGCGCCCACAGGCAGCCAGCAG 466
 |||| |||||| |||||||||
Db 3 CGGCCAGCACAGGTAGCCAGCAG 25

RESULT 847
US-09-827-998-1471
; Sequence 1471, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1471
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1471

 Query Match 0.6%; Score 16.6; DB 1; Length 25;
 Best Local Similarity 82.6%; Pred. No. 1.4e+03;
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 444 CGGCGCCCACAGGCAGCCAGCAG 466
 |||| |||||| |||||||||
Db 2 CGGCCAGCACAGGTAGCCAGCAG 24

RESULT 848
US-09-827-998-1472
; Sequence 1472, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1472
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1472

 Query Match 0.6%; Score 16.6; DB 1; Length 25;
 Best Local Similarity 82.6%; Pred. No. 1.4e+03;
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 444 CGGCGCCCACAGGCAGCCAGCAG 466
 |||| |||||| |||||||||
Db 1 CGGCCAGCACAGGTAGCCAGCAG 23

RESULT 849
US-09-866-108A-15557
; Sequence 15557, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 15557
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-15557

 Query Match 0.6%; Score 16.6; DB 1; Length 25;
 Best Local Similarity 82.6%; Pred. No. 1.4e+03;
 Matches 19; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 443 CCGGCGCCCACAGGCAGCCAGCA 465
 |||| | ||| || |||||||||
Db 3 CCGGTGGCCAGAGCCAGCCAGCA 25

RESULT 850
US-09-866-108A-15558
; Sequence 15558, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.

```
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 15558
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-15558

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        443 CCGGCGCCCACAGGCAGCCAGCA 465
              |||| | ||| || |||||||||
Db          2 CCGGTGGCCAGAGCCAGCCAGCA 24


RESULT 851
US-09-866-108A-15559
; Sequence 15559, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 15559
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-15559

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        443 CCGGCGCCCACAGGCAGCCAGCA 465
              |||| | ||| || |||||||||
Db          1 CCGGTGGCCAGAGCCAGCCAGCA 23


RESULT 852
PCT-US93-06828-3
; Sequence 3, Application PC/TUS9306828
;  GENERAL INFORMATION:
;    APPLICANT:  Asgari, Morteza
;    APPLICANT:  Bresser, Joel
;    APPLICANT:  Cubbage, Michael L
;    APPLICANT:  Prashad, Nagindra
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells In Maternal Blood For
;    TITLE OF INVENTION:  In Situ Hybridization
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:
;      STREET:
;      CITY:
;      STATE:
;      COUNTRY:
;      ZIP:
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 Floppy disk - 720 k
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/06828
;      FILING DATE:  19930719
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:
;      TELEFAX:
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US93-06828-3

  Query Match             0.6%;  Score 16.6;  DB 1;  Length 25;
```

```
  Best Local Similarity   82.6%;  Pred. No. 1.4e+03;
  Matches   19;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGC 73
              ||||||| ||||||||| |  ||
Db          3 GCGGCGGCGGCGGCGGCGGC 25


RESULT 853
US-09-637-751A-7
; Sequence 7, Application US/09637751A
; Patent No. 6383754
; GENERAL INFORMATION:
;  APPLICANT:  Kaufman, Joseph C.
;  APPLICANT:  Roth, Matthew E.
;  APPLICANT:  Lizardi, Paul M.
;  APPLICANT:  Feng, Li
;  APPLICANT:  Latimer, Darin R.
;  TITLE OF INVENTION:  Binary Encoded Sequence Tags
; Patent No. 6383754
;  FILE REFERENCE:  AGL 100
;  CURRENT APPLICATION NUMBER: US/09/637,751A
;  CURRENT FILING DATE:  2000-08-11
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-637-751A-7

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 18;
  Best Local Similarity   94.4%;  Pred. No. 5.8e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTA 2187
              ||||||||||||||||| |
Db          1 TTTTTTTTTTTTTTTTCA 18


RESULT 854
US-09-637-751A-5/c
; Sequence 5, Application US/09637751A
; Patent No. 6383754
; GENERAL INFORMATION:
;  APPLICANT:  Kaufman, Joseph C.
;  APPLICANT:  Roth, Matthew E.
;  APPLICANT:  Lizardi, Paul M.
;  APPLICANT:  Feng, Li
;  APPLICANT:  Latimer, Darin R.
;  TITLE OF INVENTION:  Binary Encoded Sequence Tags
; Patent No. 6383754
;  FILE REFERENCE:  AGL 100
;  CURRENT APPLICATION NUMBER: US/09/637,751A
;  CURRENT FILING DATE:  2000-08-11
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-637-751A-5

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 18;
  Best Local Similarity   94.4%;  Pred. No. 5.8e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              | |||||||||||||||
Db         18 GCAAAAAAAAAAAAAAA 1


RESULT 855
US-09-637-751A-6
; Sequence 6, Application US/09637751A
; Patent No. 6383754
; GENERAL INFORMATION:
;  APPLICANT:  Kaufman, Joseph C.
;  APPLICANT:  Roth, Matthew E.
;  APPLICANT:  Lizardi, Paul M.
;  APPLICANT:  Feng, Li
;  APPLICANT:  Latimer, Darin R.
;  TITLE OF INVENTION:  Binary Encoded Sequence Tags
; Patent No. 6383754
;  FILE REFERENCE:  AGL 100
;  CURRENT APPLICATION NUMBER: US/09/637,751A
;  CURRENT FILING DATE:  2000-08-11
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-637-751A-6

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 18;
  Best Local Similarity   94.4%;  Pred. No. 5.8e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              ||||||||||||||||| |
Db          1 TTTTTTTTTTTTTTTTGT 18


RESULT 856
US-09-637-751A-6/c
; Sequence 6, Application US/09637751A
; Patent No. 6383754
; GENERAL INFORMATION:
;  APPLICANT:  Kaufman, Joseph C.
;  APPLICANT:  Roth, Matthew E.
;  APPLICANT:  Lizardi, Paul M.
;  APPLICANT:  Feng, Li
;  APPLICANT:  Latimer, Darin R.
;  TITLE OF INVENTION:  Binary Encoded Sequence Tags
; Patent No. 6383754
;  FILE REFERENCE:  AGL 100
;  CURRENT APPLICATION NUMBER: US/09/637,751A
;  CURRENT FILING DATE:  2000-08-11
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-637-751A-6

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 18;
  Best Local Similarity   94.4%;  Pred. No. 5.8e+02;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              | |||||||||||||||
Db         18 ACAAAAAAAAAAAAAAA 1


RESULT 857
US-08-275-951-49
```

```
; Sequence 49, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Kiely, John
;  APPLICANT:  Griffin, Michael
;  APPLICANT:  Coull, James M.
;  APPLICANT:  Neilsen, Peter
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Dueholm, Kim L.
;  APPLICANT:  Christensen, Leif
;  TITLE OF INVENTION:  Linked Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1577
;  CURRENT APPLICATION NUMBER: US/08/275,951
;  CURRENT FILING DATE:  1994-07-15
;  PRIOR APPLICATION NUMBER:  08/108,591
;  PRIOR FILING DATE:  1993-11-22
;  PRIOR APPLICATION NUMBER:  08/088,658
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/088,661
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-22
;  PRIOR APPLICATION NUMBER:  986/91
;  PRIOR FILING DATE:  1991-05-22
;  PRIOR APPLICATION NUMBER:  987/91
;  PRIOR FILING DATE:  1991-05-24
;  PRIOR APPLICATION NUMBER:  510/92
;  PRIOR FILING DATE:  1991-04-15
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (10)..(11)
;   OTHER INFORMATION: Ethylene Glycol, Ethylene Glycol, Ethylene Glycol
;   OTHER INFORMATION: Linkage
;   NAME/KEY: misc_feature
;   LOCATION: (13)
;   OTHER INFORMATION: N is Pseudoisocytosine
;   NAME/KEY: misc_feature
;   LOCATION: (20)
;   OTHER INFORMATION: N is Pseudoiscytosine
US-08-275-951-49

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 8.2e+02;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTT 2183
              ||||||| |||| ||||||
Db          1 CTTTTTTCTTTTNTTTTTT 19


RESULT 858
US-08-235-180-28
; Sequence 28, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-28

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 22;
  Best Local Similarity   94.4%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTGAA 1784
              |||||||||||||||| ||
Db          5 AAGCTTTTTTTTTTTTAA 22


RESULT 859
US-08-332-420-10
; Sequence 10, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-10

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 22;
  Best Local Similarity   94.4%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTGAA 1784
              ||||||||||||||| ||
Db          5 AAGCTTTTTTTTTTTTAA 22


RESULT 860
US-07-869-933-7
; Sequence 7, Application US/07869933
; Patent No. 5770396
;  GENERAL INFORMATION:
;    APPLICANT:  KINET, Jean-Pierre
;    TITLE OF INVENTION:  ISOLATION, CHARACTERIZATION, AND USE OF
;    TITLE OF INVENTION:  THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
;    TITLE OF INVENTION:  IMMUNOGLOBULIN
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/869,933
;      FILING DATE:  19920416
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  40399/154 NIHD
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-07-869-933-7

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 23;
  Best Local Similarity   94.4%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              |||| |||||||||||||
Db          4 AAAACAAAAAAAAAAAA 21


RESULT 861
US-09-103-663-7
; Sequence 7, Application US/09103663D
; Patent No. 6171803
; GENERAL INFORMATION:
;  APPLICANT: Kinet et al.
;  TITLE OF INVENTION: Isolation, characterization, and use of the human beta
;  TITLE OF INVENTION: subunit of the high affinity receptor for
;  TITLE OF INVENTION: immunoglobulin E.
;  FILE REFERENCE: 50490
;  CURRENT APPLICATION NUMBER: US/09/103,663D
;  CURRENT FILING DATE: 1998-06-23
;  EARLIER APPLICATION NUMBER: 07/869,933
;  EARLIER FILING DATE: 1992-04-16
;  NUMBER OF SEQ ID NOS: 35
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-103-663-7

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 23;
  Best Local Similarity   94.4%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              |||| |||||||||||||
Db          4 AAAACAAAAAAAAAAAA 21


RESULT 862
US-09-056-052-8/c
; Sequence 8, Application US/09056052
; Patent No. 6090556
; GENERAL INFORMATION:
;  APPLICANT: Kato, Kikuya
;  TITLE OF INVENTION: Adaptor-Tagged Competitive PCR
;  FILE REFERENCE: 07898/026001
;  CURRENT APPLICATION NUMBER: US/09/056,052
;  CURRENT FILING DATE: 1998-04-06
;  EARLIER APPLICATION NUMBER: JP88495/1997
;  EARLIER FILING DATE: 1997-04-07
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-056-052-8

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 23;
  Best Local Similarity   94.4%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              |||||||||||||||| |
Db         22 AAAAAAAAAAAAAAAACA 5


RESULT 863
US-09-244-794A-10/c
; Sequence 10, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
```

```
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER: US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-10

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 24;
  Best Local Similarity   94.4%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||||||||| |||||
Db         23 GAAAAAAAAAAATAAAAA 6


RESULT 864
US-09-007-005-10/c
; Sequence 10, Application US/09007005B
; Patent No. 6258558
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350003
;  CURRENT APPLICATION NUMBER: US/09/007,005B
;  CURRENT FILING DATE: 1998-01-14
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-007-005-10

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 24;
  Best Local Similarity   94.4%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||||||||| |||||
Db         23 GAAAAAAAAAAATAAAAA 6


RESULT 865
US-09-247-190-10/c
; Sequence 10, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-10

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 24;
  Best Local Similarity   94.4%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||||||||| |||||
Db         23 GAAAAAAAAAAATAAAAA 6


RESULT 866
US-09-244-796-10/c
; Sequence 10, Application US/09244796
; Patent No. 6281344
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350007
;  CURRENT APPLICATION NUMBER: US/09/244,796
;  CURRENT FILING DATE: 1999-02-05
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-796-10

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 24;
  Best Local Similarity   94.4%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||||||||| |||||
Db         23 GAAAAAAAAAAATAAAAA 6


RESULT 867
US-08-671-548C-66
; Sequence 66, Application US/08671548C
; Patent No. 6486130
; GENERAL INFORMATION:
```

```
;  APPLICANT: LIVEY, Ian
;  APPLICANT:  CROWE, Brian
;  APPLICANT:  DORNER, Friedrich
;  TITLE OF INVENTION: IMMUNOGENIC FORMULATION OF OSPC ANTIGEN VACCINE FOR THE PREVENTIC
;  TITLE OF INVENTION:  TREATMENT OF LYME DISEASE AND RECOMBINANT METHODS FOR THE PREPAR
;  TITLE OF INVENTION:  ANTIGENS
;  FILE REFERENCE: 37974-0023
;  CURRENT APPLICATION NUMBER: US/08/671,548C
;  CURRENT FILING DATE:  2001-08-30
;  PRIOR APPLICATION NUMBER: US 08/284,667
;  PRIOR FILING DATE: 1994-08-19
;  PRIOR APPLICATION NUMBER: 08/053,863
;  PRIOR FILING DATE: 1993-04-29
;  PRIOR APPLICATION NUMBER: PCT/EP94/01365
;  PRIOR FILING DATE: 1994-04-29
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 66
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: ()..()
;   OTHER INFORMATION: primer
US-08-671-548C-66

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 24;
  Best Local Similarity   94.4%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1760 ATTCATTAAGCTTTTTTT 1777
              ||||||||||  |||||||
Db          4 ATTCATTAAGGTTTTTTT 21


RESULT 868
US-09-238-710-10/c
; Sequence 10, Application US/09238710A
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-10

  Query Match             0.6%;  Score 16.4;  DB 1;  Length 24;
  Best Local Similarity   94.4%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              ||||||||||| |||||
Db         23 GAAAAAAAAAAATAAAAA 6


RESULT 869
US-08-704-966-7
; Sequence 7, Application US/08704966
; Patent No. 6013523
;  GENERAL INFORMATION:
;    APPLICANT:  Adang, Michael J.
;    APPLICANT:  Rocheleau, Thomas A.
;    APPLICANT:  Merlo, Donald
;    APPLICANT:  Murray, Elizabeth E.
;    TITLE OF INVENTION:  Synthetic Insecticidal Crystal Protein
;    TITLE OF INVENTION:  Gene
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Saliwanchik, Lloyd & Saliwanchik
;      STREET:  1000 Legion Place, Suite 1750
;      CITY:  Orlando
;      STATE:  Florida
;      COUNTRY:  USA
;      ZIP:  32801
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/704,966
;      FILING DATE:  29-AUG-1996
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/369,839
;      FILING DATE:  06-JAN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/057,191
;      FILING DATE:  03-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/827,844
;      FILING DATE:  28-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/242,482
;      FILING DATE:  09-SEP-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lloyd, Jeff
;      REGISTRATION NUMBER:  35,589
;      REFERENCE/DOCKET NUMBER:  MPS 8-88AFD3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  407-426-7500
;      TELEFAX:  407-839-8589
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-704-966-7

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   61.9%;  Pred. No. 1e+03;
  Matches   13;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTAAC 2189
              ||||:|||:|:|:|:|  | |
Db          1 TTTTUTTTUTUTUTUGCAGC 21


RESULT 870
US-08-705-438-7
; Sequence 7, Application US/08705438
; Patent No. 6015891
;  GENERAL INFORMATION:
;    APPLICANT:  Adang, Michael J.
;    APPLICANT:  Rocheleau, Thomas A.
```

```
;    APPLICANT:  Merlo, Donald
;    APPLICANT:  Murray, Elizabeth E.
;    TITLE OF INVENTION:  Synthetic Insecticidal Crystal Protein
;    TITLE OF INVENTION:  Gene
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Saliwanchik, Lloyd & Saliwanchik
;      STREET:  1000 Legion Place, Suite 1750
;      CITY:  Orlando
;      STATE:  Florida
;      COUNTRY:  USA
;      ZIP:  32801
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/705,438
;      FILING DATE:  29-AUG-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/369,839
;      FILING DATE:  06-JAN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/057,191
;      FILING DATE:  03-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/827,844
;      FILING DATE:  28-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/242,482
;      FILING DATE:  09-SEP-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lloyd, Jeff
;      REGISTRATION NUMBER:  35,589
;      REFERENCE/DOCKET NUMBER:  MPS 8-88AFD4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  407-426-7500
;      TELEFAX:  407-839-8589
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-705-438-7

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   61.9%;  Pred. No. 1e+03;
  Matches   13;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTAAC 2189
              ||||:|||:|:|:|:|  | |
Db          1 TTTTUTTTUTUTUTUTGCAGC 21


RESULT 871
US-07-960-982-17
; Sequence 17, Application US/07960982
; Patent No. 5399345
;  GENERAL INFORMATION:
;    APPLICANT:  SCHMACHER, G nther
;    APPLICANT:  DONY, Carola
;    TITLE OF INVENTION:  MUTEINS OF THE GRANULOCYTE COLONY
;    TITLE OF INVENTION:  STIMULATING FACTOR
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nikaido, Marmelstein, Murray & Oram
;      STREET:  655 Fifteenth Street N.W. Suite 330
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-5701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/960,982
;      FILING DATE:  19921014
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/696,794
;      FILING DATE:  08-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE P 40 14 750.9
;      FILING DATE:  08-MAY-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murray, Robert B.
;      REGISTRATION NUMBER:  22,980
;      REFERENCE/DOCKET NUMBER:  564-2478
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-5000
;      TELEFAX:  (202)638-4810
;. INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-07-960-982-17

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   85.7%;  Pred. No. 1e+03;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        635 GATGCCGCGGGCCTGGCCGAG 655
              |||||||||  |  |||  |||||
Db          1 GATGCCGCGAGACTGTCCGAG 21


RESULT 872
US-09-228-942-8
; Sequence 8, Application US/09228942
; Patent No. 6203988
; GENERAL INFORMATION:
;  APPLICANT: Kambara, Hideki
;  APPLICANT: Uematsu, Chihiro
;  TITLE OF INVENTION: DNA FRAGMENT ANALYSIS METHOD AND REAGENT KIT
;  FILE REFERENCE: ASA-757
;  CURRENT APPLICATION NUMBER: US/09/228,942
;  CURRENT FILING DATE: 1999-01-12
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide ligated to 3' end of DNA fragment
US-09-228-942-8

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   85.7%;  Pred. No. 1e+03;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTTTTT 2181
              | |  ||||||||||||||||||
Db          1 TGTGGTTTTTTTTTTTTTTTT 21
```

```
RESULT 873
US-09-475-947A-64/c
; Sequence 64, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 64
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-64

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   85.7%;  Pred. No. 1e+03;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1938 AGGTAATGGTTGGTTTTTGTG 1958
              ||| |||||| ||||||| ||
Db         21 AGGGAATGGTGGGTTTTTCTG 1

RESULT 874
US-09-422-978-8160
; Sequence 8160, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8160
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-14072 for SEQ 295, in compleme
US-09-422-978-8160

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 21;
  Best Local Similarity   85.7%;  Pred. No. 1e+03;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1567 AAAAATCCTTCTCCACCGCAC 1587
              || |||| |||||||| ||||
Db          1 AATAATCTTTCTCCACTGCAC 21

RESULT 875
US-08-859-998-1299
; Sequence 1299, Application US/08859998
; Patent No. 5994076
;  GENERAL INFORMATION:
;    APPLICANT:  Chenchik, Alex
;    APPLICANT:  Jokhadze, George
;    APPLICANT:  Bibilashvilli, Robert
;    TITLE OF INVENTION:  METHOD OF ASSAYING DIFFERENTIAL
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  1375
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson, P.C.
;      STREET:  2200 Sand Hill Road, Suite 100
;      CITY:  Menlo Park
;      STATE:  CA
;      COUNTRY:  US
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows95
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/859,998
;      FILING DATE:  21-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Field, Bret E.
;      REGISTRATION NUMBER:  37,620
;      REFERENCE/DOCKET NUMBER:  09096/002001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-322-5070
;      TELEFAX:  415-854-0875
;  INFORMATION FOR SEQ ID NO:  1299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      OTHER INFORMATION:  oligonucleotide primer
US-08-859-998-1299

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 24;
  Best Local Similarity   85.7%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        266 TCCGCCGGGCAGCACCTCTAC 286
              ||||||| ||||||| || ||
Db          1 TCCGCCGTGCAGCACGTCAAC 21

RESULT 876
US-09-194-905-2
; Sequence 2, Application US/09194905
; Patent No. 6306627
;  GENERAL INFORMATION:
;    APPLICANT:  DECKER, Heinrich
;    TITLE OF INVENTION:  ISOLATION OF THE BIOSYNTHESIS GENES FOR
;    TITLE OF INVENTION:  PSEUDO-OLIGOSACCHARIDES FROM STREPTOMYCES GLAUCESCENS
;    TITLE OF INVENTION:  GLA.O AND THEIR USE
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY & LARDNER
;      STREET:  3000 K Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/194,905
;      FILING DATE:  29-JUL-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/EP97/02826
;      FILING DATE:  30-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DE 19622783.6
;      FILING DATE:  07-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Granados, Patricia D.
;      REGISTRATION NUMBER:  33,683
;      REFERENCE/DOCKET NUMBER:  026083/0193
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 672-5300
;      TELEFAX:  (202) 672-5399
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "Primer"
US-09-194-905-2

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 24;
  Best Local Similarity   66.7%;  Pred. No. 1.5e+03;
  Matches   14;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        799 GGAGCTGGTGGGGGCCGTAAT 819
              ||::||||:::||:||||| |
Db          2 GGWVCTGGYVSGGSCCGTAGT 22


RESULT 877
US-09-225-928-1299
; Sequence 1299, Application US/09225928
; Patent No. 6352829
;   GENERAL INFORMATION:
;        APPLICANT: Chenchik, Alex
;                   Jokhadze, George
;                   Bibilashvilli, Robert
;        TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
;                            EXPRESSION
;        NUMBER OF SEQUENCES: 1375
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Fish & Richardson, P.C.
;             STREET: 2200 Sand Hill Road, Suite 100
;             CITY: Menlo Park
;             STATE: CA
;             COUNTRY: US
;             ZIP: 94025
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: Windows95
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/225,928
;             FILING DATE: 05-Jan-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/859,998
;             FILING DATE: 21-MAY-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Field, Bret E.
;             REGISTRATION NUMBER: 37,620
;             REFERENCE/DOCKET NUMBER: 09096/002001
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415-322-5070
;             TELEFAX: 415-854-0875
;   INFORMATION FOR SEQ ID NO: 1299:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 24 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             OTHER INFORMATION:  oligonucleotide primer
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1299:
US-09-225-928-1299

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 24;
  Best Local Similarity   85.7%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        266 TCCGCCGGGCAGCACCTCTAC 286
              ||||||| ||||||| || ||
Db          1 TCCGCCGTGCAGCACGTCAAC 21


RESULT 878
US-09-225-201B-1299
; Sequence 1299, Application US/09225201B
; Patent No. 6489455
;   GENERAL INFORMATION:
;        APPLICANT: Chenchik, Alex
;                   Jokhadze, George
;                   Bibilashvilli, Robert
;        TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
;                            EXPRESSION
;        NUMBER OF SEQUENCES: 1375
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Fish & Richardson, P.C.
;             STREET: 2200 Sand Hill Road, Suite 100
;             CITY: Menlo Park
;             STATE: CA
;             COUNTRY: US
;             ZIP: 94025
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: Windows95
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/225,201B
;             FILING DATE: 05-Jan-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/08/859,998
;             FILING DATE: 21-MAY-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Field, Bret E.
;             REGISTRATION NUMBER: 37,620
;             REFERENCE/DOCKET NUMBER: 09096/002001
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 415-322-5070
;             TELEFAX: 415-854-0875
;   INFORMATION FOR SEQ ID NO: 1299:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 24 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             OTHER INFORMATION:  oligonucleotide primer
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1299:
US-09-225-201B-1299

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 24;
  Best Local Similarity   85.7%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy        266 TCCGCCGGGCAGCACCTCTAC 286
              ||||||| ||||||| || ||
Db          1 TCCGCCGTGCAGCACGTCAAC 21


RESULT 879
US-09-380-420C-11/c
; Sequence 11, Application US/09380420C
; Patent No. 6300544
;   GENERAL INFORMATION:
;        APPLICANT: Halkier, Barbara
;                   Bak, Soren
;                   Kahn, Rachel
;                   Moller, Birger
;        TITLE OF INVENTION: Cytochrome P450 Monooxygenases
;        NUMBER OF SEQUENCES: 23
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Syngenta Patent Dept.
;             STREET: 3054 Cornwallis Road
;             CITY: RTP
;             STATE: NC
;             COUNTRY: USA
;             ZIP: 27709
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/380,420C
;             FILING DATE: 12-No. 6300544-1999
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Meigs, J. Timothy
;             REGISTRATION NUMBER: 38,241
;             REFERENCE/DOCKET NUMBER: S-21251A
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 919-541-8587
;   INFORMATION FOR SEQ ID NO: 11:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 25 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-380-420C-11

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 25;
  Best Local Similarity   94.1%;  Pred. No. 1.7e+03;
  Matches   16;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2801
              :|||||||||||||||||
Db         25 BAAAAAAAAAAAAAAAA 9


RESULT 880
US-09-899-642A-11/c
; Sequence 11, Application US/09899642A
; Patent No. 6649814
;   GENERAL INFORMATION:
;        APPLICANT: Halkier, Barbara
;                   Bak, Soren
;                   Kahn, Rachel
;                   Moller, Birger
;        TITLE OF INVENTION: Cytochrome P450 Monooxygenases
;        NUMBER OF SEQUENCES: 23
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Syngenta Patent Dept.
;             STREET: 3054 Cornwallis Road
;             CITY: RTP
;             STATE: NC
;             COUNTRY: USA
;             ZIP: 27709
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/899,642A
;             FILING DATE: 05-Jul-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/380,420
;             FILING DATE: 12-No. 6649814-1999
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Meigs, J. Timothy
;             REGISTRATION NUMBER: 38,241
;             REFERENCE/DOCKET NUMBER: S-21251A
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 919-541-8587
;   INFORMATION FOR SEQ ID NO: 11:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 25 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-09-899-642A-11

  Query Match             0.6%;  Score 16.2;  DB 1;  Length 25;
  Best Local Similarity   94.1%;  Pred. No. 1.7e+03;
  Matches   16;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2801
              :|||||||||||||||||
Db         25 BAAAAAAAAAAAAAAAA 9


RESULT 881
US-07-971-978-36
; Sequence 36, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;    APPLICANT:  Cook and Sanghvi
;    TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;    TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;    TITLE OF INVENTION:  Gene Expression
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5614617ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/971,978
;      FILING DATE:  February 18, 1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/558,806
;      FILING DATE:  July 27, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
```

```
;       REFERENCE/DOCKET NUMBER:  ISIS-0333
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;   INFORMATION FOR SEQ ID NO:  36:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  1
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  2
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  3
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  4
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  5
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  6
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  7
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  8
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  9
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  10
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  11
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  12
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  13
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  14
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  15
;       OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
US-07-971-978-36

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
                ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 882
US-07-971-978-36/c
; Sequence 36, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;    APPLICANT:  Cook and Sanghvi
;    TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;    TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;    TITLE OF INVENTION:  Gene Expression
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5614617ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/971,978
;      FILING DATE:  February 18, 1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/558,806
;      FILING DATE:  July 27, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-0333
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
```

```
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  2
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  3
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  4
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  5
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  6
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  7
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  8
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  9
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  10
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  11
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  12
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  13
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  14
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  15
;      OTHER INFORMATION:  5-fluoro-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
US-07-971-978-36

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 883
US-07-971-978-42
; Sequence 42, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;    APPLICANT:  Cook and Sanghvi
;    TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;    TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;    TITLE OF INVENTION:  Gene Expression
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5614617ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/971,978
;      FILING DATE:  February 18, 1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/558,806
;      FILING DATE:  July 27, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-0333
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  2
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  3
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  4
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
```

```
;       NAME/KEY:  Modified-site
;       LOCATION:  5
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  6
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  7
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  8
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  9
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  10
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  11
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  12
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  13
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  14
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  15
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
US-07-971-978-42

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 884
US-07-971-978-42/c
; Sequence 42, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;    APPLICANT:  Cook and Sanghvi
;    TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;    TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;    TITLE OF INVENTION:  Gene Expression
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5614617ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/971,978
;      FILING DATE:  February 18, 1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/558,806
;      FILING DATE:  July 27, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-0333
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  2
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  3
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  4
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  5
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  6
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  7
;      OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
```

```
;       LOCATION:  8
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  9
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  10
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  11
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  12
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  13
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  14
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  15
;       OTHER INFORMATION:  5-bromo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
US-07-971-978-42

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 885
US-07-971-978-60
; Sequence 60, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;    APPLICANT:  Cook and Sanghvi
;    TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;    TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;    TITLE OF INVENTION:  Gene Expression
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5614617ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/971,978
;      FILING DATE:  February 18, 1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/558,806
;      FILING DATE:  July 27, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-0333
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  2
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  3
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  4
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  5
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  6
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  7
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  8
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  9
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  10
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  11
```

```
;       OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  12
;       OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  13
;       OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  14
;       OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  15
;       OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;       OTHER INFORMATION:  substitution
US-07-971-978-60

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
                ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 886
US-07-971-978-60/c
; Sequence 60, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;    APPLICANT:  Cook and Sanghvi
;    TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;    TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;    TITLE OF INVENTION:  Gene Expression
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5614617ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/971,978
;      FILING DATE:  February 18, 1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/558,806
;      FILING DATE:  July 27, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-0333
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  2
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  3
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  4
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  5
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  6
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  7
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  8
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  9
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  10
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  11
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  12
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  13
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  14
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
```

```
;      OTHER INFORMATION:  substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  15
;      OTHER INFORMATION:  5-iodo-2'-deoxyuridine
;      OTHER INFORMATION:  substitution
US-07-971-978-60

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 887
US-08-415-370-2
; Sequence 2, Application US/08415370
; Patent No. 5801155
;  GENERAL INFORMATION:
;    APPLICANT:  Kutyavin, Igor V.
;    APPLICANT:  Lukhtanov, Eugeny A.
;    APPLICANT:  Gamper, Howard B.
;    APPLICANT:  Meyer, Jr., Rich B.
;    TITLE OF INVENTION:  COVALENTLY LINKED OLIGONUCLEOTIDE MINOR
;    TITLE OF INVENTION:  GROOVE BINDER CONJUGATES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KLEIN & SZEKERES
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92715
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/415,370
;      FILING DATE:  03-APR-1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Szekeres, Gabor L.
;      REGISTRATION NUMBER:  28,675
;      REFERENCE/DOCKET NUMBER:  491-09-PA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-854-5502
;      TELEFAX:  714-854-4897
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-415-370-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 888
US-08-415-370-2/c
; Sequence 2, Application US/08415370
; Patent No. 5801155
;  GENERAL INFORMATION:
;    APPLICANT:  Kutyavin, Igor V.
;    APPLICANT:  Lukhtanov, Eugeny A.
;    APPLICANT:  Gamper, Howard B.
;    APPLICANT:  Meyer, Jr., Rich B.
;    TITLE OF INVENTION:  COVALENTLY LINKED OLIGONUCLEOTIDE MINOR
;    TITLE OF INVENTION:  GROOVE BINDER CONJUGATES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KLEIN & SZEKERES
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92715
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/415,370
;      FILING DATE:  03-APR-1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Szekeres, Gabor L.
;      REGISTRATION NUMBER:  28,675
;      REFERENCE/DOCKET NUMBER:  491-09-PA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-854-5502
;      TELEFAX:  714-854-4897
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-415-370-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 889
US-08-687-551-15
; Sequence 15, Application US/08687551
; Patent No. 5856435
;  GENERAL INFORMATION:
;    APPLICANT:  BAZILE, Didier
;    APPLICANT:  EMILE, Carole
;    APPLICANT:  HELENE, Claude
;    APPLICANT:  SPENLEHAUER, Gilles
;    TITLE OF INVENTION:  NUCLEIC ACID-CONTAINING COMPOSITION, ITS
;    TITLE OF INVENTION:  PREPARATION AND USE
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rhone-Poulenc Rorer Inc.
;      STREET:  500 Arcola Rd. 3C43
;      CITY:  Collegeville
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  US/08/687,551
;       FILING DATE:
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  FR 94/01381
;       FILING DATE:  08-FEB-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  WO PCT/FR95/00098
;       FILING DATE:  27-JAN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Smith Ph.D., Julie K.
;       REGISTRATION NUMBER:  38,619
;       REFERENCE/DOCKET NUMBER:  ST94007-US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (610)454-3839
;       TELEFAX:  (610)454-3808
;   INFORMATION FOR SEQ ID NO:  15:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "oligonucleotide"
US-08-687-551-15

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
                ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 890
US-08-687-551-15/c
; Sequence 15, Application US/08687551
; Patent No. 5856435
;  GENERAL INFORMATION:
;     APPLICANT:  BAZILE, Didier
;     APPLICANT:  EMILE, Carole
;     APPLICANT:  HELENE, Claude
;     APPLICANT:  SPENLEHAUER, Gilles
;     TITLE OF INVENTION:  NUCLEIC ACID-CONTAINING COMPOSITION, ITS
;     TITLE OF INVENTION:  PREPARATION AND USE
;     NUMBER OF SEQUENCES:  16
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Rhone-Poulenc Rorer Inc.
;       STREET:  500 Arcola Rd. 3C43
;       CITY:  Collegeville
;       STATE:  PA
;       COUNTRY:  USA
;       ZIP:  19426
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/687,551
;       FILING DATE:
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  FR 94/01381
;       FILING DATE:  08-FEB-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  WO PCT/FR95/00098
;       FILING DATE:  27-JAN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Smith Ph.D., Julie K.
;       REGISTRATION NUMBER:  38,619
;       REFERENCE/DOCKET NUMBER:  ST94007-US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (610)454-3839
;       TELEFAX:  (610)454-3808
;   INFORMATION FOR SEQ ID NO:  15:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "oligonucleotide"
US-08-687-551-15

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 891
US-09-141-764-2
; Sequence 2, Application US/09141764
; Patent No. 6084102
;  GENERAL INFORMATION:
;     APPLICANT:  Kutyavin, Igor V.
;     APPLICANT:  Lukhtanov, Eugeny A.
;     APPLICANT:  Gamper, Howard B.
;     APPLICANT:  Meyer, Jr., Rich B.
;     TITLE OF INVENTION:  COVALENTLY LINKED OLIGONUCLEOTIDE
;     TITLE OF INVENTION:  MINOR
;     TITLE OF INVENTION:  GROOVE BINDER CONJUGATES
;     NUMBER OF SEQUENCES:  2
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  KLEIN & SZEKERES
;       STREET:  4199 Campus Drive, Suite 700
;       CITY:  Irvine
;       STATE:  CA
;       COUNTRY:  USA
;       ZIP:  92715
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/141,764
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/415,370
;       FILING DATE:  03-APR-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Szekeres, Gabor L.
;       REGISTRATION NUMBER:  28,675
;       REFERENCE/DOCKET NUMBER:  491-09-PA
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  714-854-5502
;       TELEFAX:  714-854-4897
;   INFORMATION FOR SEQ ID NO:  2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-141-764-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2166 TTTTTTTTTTTTTTTT 2181
                ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 892
US-09-141-764-2/c
; Sequence 2, Application US/09141764
; Patent No. 6084102
;  GENERAL INFORMATION:
;    APPLICANT:  Kutyavin, Igor V.
;    APPLICANT:  Lukhtanov, Eugeny A.
;    APPLICANT:  Gamper, Howard B.
;    APPLICANT:  Meyer, Jr., Rich B.
;    TITLE OF INVENTION:  COVALENTLY LINKED OLIGONUCLEOTIDE
;    TITLE OF INVENTION:  MINOR
;    TITLE OF INVENTION:  GROOVE BINDER CONJUGATES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KLEIN & SZEKERES
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92715
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/141,764
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/415,370
;      FILING DATE:  03-APR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Szekeres, Gabor L.
;      REGISTRATION NUMBER:  28,675
;      REFERENCE/DOCKET NUMBER:  491-09-PA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-854-5502
;      TELEFAX:  714-854-4897
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-141-764-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 893
US-08-851-843A-131
; Sequence 131, Application US/08851843A
; Patent No. 6093809
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6093809el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/851,843A
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/846,017
;      FILING DATE:  25-APR-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/844,419
;      FILING DATE:  18-APR-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/724,643
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Apple,  Randolph T.
;      REGISTRATION NUMBER:  36,429
;      REFERENCE/DOCKET NUMBER:  015389-002930US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  131:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-851-843A-131

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 894
US-08-851-843A-131/c
; Sequence 131, Application US/08851843A
; Patent No. 6093809
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6093809el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
```

```
;       COUNTRY:  United States of America
;       ZIP:  94111
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/851,843A
;       FILING DATE:  06-MAY-1997
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/846,017
;       FILING DATE:  25-APR-1997
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/844,419
;       FILING DATE:  18-APR-1997
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/724,643
;       FILING DATE:  01-OCT-1996
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Apple,  Randolph T.
;       REGISTRATION NUMBER:  36,429
;       REFERENCE/DOCKET NUMBER:  015389-002930US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 576-0200
;       TELEFAX:  (415) 576-0300
;   INFORMATION FOR SEQ ID NO:  131:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-851-843A-131

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db         16 TTTTTTTTTTTTTTTT 1


RESULT 895
US-08-854-050-131
; Sequence 131, Application US/08854050
; Patent No. 6261836
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6261836el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/854,050
;      FILING DATE:  09-MAY-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/851,843
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/846,017
;      FILING DATE:  25-APR-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/844,419
;      FILING DATE:  18-APR-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/724,643
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Apple,  Randolph T.
;      REGISTRATION NUMBER:  36,429
;      REFERENCE/DOCKET NUMBER:  015389-002930US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  131:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-854-050-131

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db          1 AAAAAAAAAAAAAAAA 16


RESULT 896
US-08-854-050-131/c
; Sequence 131, Application US/08854050
; Patent No. 6261836
;  GENERAL INFORMATION:
;    APPLICANT:  Cech, Thomas R.
;    APPLICANT:  Lingner, Joachim
;    APPLICANT:  Nakamura, Toru
;    APPLICANT:  Chapman, Karen B.
;    APPLICANT:  Morin, Gregg B.
;    APPLICANT:  Harley, Calvin
;    APPLICANT:  Andrews, William H.
;    TITLE OF INVENTION:  No. 6261836el Telomerase
;    NUMBER OF SEQUENCES:  225
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/854,050
;      FILING DATE:  09-MAY-1997
```

```
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/851,843
;      FILING DATE:  06-MAY-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/846,017
;      FILING DATE:  25-APR-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/844,419
;      FILING DATE:  18-APR-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/724,643
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Apple,  Randolph T.
;      REGISTRATION NUMBER:  36,429
;      REFERENCE/DOCKET NUMBER:  015389-002930US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  131:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-854-050-131

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db         16 TTTTTTTTTTTTTTTT 1


RESULT 897
US-09-124-238A-4
; Sequence 4, Application US/09124238A
; Patent No. 6300127
; GENERAL INFORMATION:
;  APPLICANT: Hair, Gregory A.
;  APPLICANT:  Boden, Scott D.
;  TITLE OF INVENTION: No. 6300127el Bone Mineralization Proteins, DNA, Vectors,
;  TITLE OF INVENTION:  Expression Systems
;  FILE REFERENCE: 06148.0115
;  CURRENT APPLICATION NUMBER: US/09/124,238A
;  CURRENT FILING DATE:  1998-07-29
;  PRIOR APPLICATION NUMBER: 60/054,219
;  PRIOR FILING DATE: 1997-07-30
;  PRIOR APPLICATION NUMBER: 60/080,407
;  PRIOR FILING DATE: 1998-04-02
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: MS Word
; SEQ ID NO 4
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Differential Display PCR Primer
US-09-124-238A-4

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db          1 AAGCTTTTTTTTTTTG 16


RESULT 898
US-09-430-323-131
; Sequence 131, Application US/09430323
; Patent No. 6309867
;   GENERAL INFORMATION:
;        APPLICANT: Cech, Thomas R.
;                   Lingner, Joachim
;                   Nakamura, Toru
;                   Chapman, Karen B.
;                   Morin, Gregg B.
;                   Harley, Calvin
;                   Andrews, William H.
;        TITLE OF INVENTION: No. 6309867el Telomerase
;        NUMBER OF SEQUENCES: 225
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, 8th Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: United States of America
;             ZIP: 94111
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/430,323
;             FILING DATE: 29-Oct-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/854,050
;             FILING DATE: 09-MAY-1997
;             APPLICATION NUMBER: US 08/851,843
;             FILING DATE: 06-MAY-1997
;             APPLICATION NUMBER: US 08/846,017
;             FILING DATE: 25-APR-1997
;             APPLICATION NUMBER: US 08/844,419
;             FILING DATE: 18-APR-1997
;             APPLICATION NUMBER: US 08/724,643
;             FILING DATE: 01-OCT-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Apple,  Randolph T.
;             REGISTRATION NUMBER: 36,429
;             REFERENCE/DOCKET NUMBER: 015389-002930US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 131:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-09-430-323-131

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db          1 AAAAAAAAAAAAAAAA 16


RESULT 899
US-09-430-323-131/c
; Sequence 131, Application US/09430323
; Patent No. 6309867
```

```
;   GENERAL INFORMATION:
;        APPLICANT: Cech, Thomas R.
;                   Lingner, Joachim
;                   Nakamura, Toru
;                   Chapman, Karen B.
;                   Morin, Gregg B.
;                   Harley, Calvin
;                   Andrews, William H.
;        TITLE OF INVENTION: No. 6309867el Telomerase
;        NUMBER OF SEQUENCES: 225
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, 8th Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: United States of America
;             ZIP: 94111
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/430,323
;             FILING DATE: 29-Oct-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/854,050
;             FILING DATE: 09-MAY-1997
;             APPLICATION NUMBER: US 08/851,843
;             FILING DATE: 06-MAY-1997
;             APPLICATION NUMBER: US 08/846,017
;             FILING DATE: 25-APR-1997
;             APPLICATION NUMBER: US 08/844,419
;             FILING DATE: 18-APR-1997
;             APPLICATION NUMBER: US 08/724,643
;             FILING DATE: 01-OCT-1996
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Apple,  Randolph T.
;             REGISTRATION NUMBER: 36,429
;             REFERENCE/DOCKET NUMBER: 015389-002930US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 131:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-09-430-323-131

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db         16 TTTTTTTTTTTTTTTT 1


RESULT 900
US-09-507-345A-2
; Sequence 2, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/507,345A
;             FILING DATE: 18-Feb-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003500US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-507-345A-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 901
US-09-507-345A-2/c
; Sequence 2, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
```

```
;             APPLICATION NUMBER: US/09/507,345A
;             FILING DATE: 18-Feb-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003500US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-507-345A-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 902
US-09-619-103-22
; Sequence 22, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 22
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-22

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db          1 AAAAAAAAAAAAAAAA 16


RESULT 903
US-09-619-103-22/c
; Sequence 22, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 22
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-22

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db         16 TTTTTTTTTTTTTTTT 1


RESULT 904
US-09-331-930A-4
; Sequence 4, Application US/09331930A
; Patent No. 6436670
; GENERAL INFORMATION:
;  APPLICANT: ZIMMET, PAUL Z.
;  APPLICANT:  COLLIER, GREGORY
;  TITLE OF INVENTION: A NOVEL GENE AND USES THEREFOR
;  FILE REFERENCE: 22975-20007.00
;  CURRENT APPLICATION NUMBER: US/09/331,930A
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: PCT/AU98/00902
;  PRIOR FILING DATE: 1998-10-30
;  PRIOR APPLICATION NUMBER: AU PP0117/97
;  PRIOR FILING DATE: 1997-10-31
;  PRIOR APPLICATION NUMBER: AU PP0323/97
;  PRIOR FILING DATE: 1997-11-11
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-331-930A-4

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db          1 AAGCTTTTTTTTTTTG 16


RESULT 905
US-09-721-975-4
; Sequence 4, Application US/09721975
; Patent No. 6444803
; GENERAL INFORMATION:
;  APPLICANT: Hair, Gregory A.
;  APPLICANT:  Boden, Scott D.
;  TITLE OF INVENTION: No. 6444803el Bone Mineralization Proteins, DNA, Vectors,
;  TITLE OF INVENTION:  Expression Systems
;  FILE REFERENCE: 06148.0115
```

```
;  CURRENT APPLICATION NUMBER: US/09/721,975
;  CURRENT FILING DATE:  2000-11-27
;  PRIOR APPLICATION NUMBER: US 09/124,238
;  PRIOR FILING DATE: 1998-07-29
;  PRIOR APPLICATION NUMBER: 60/054,219
;  PRIOR FILING DATE: 1997-07-30
;  PRIOR APPLICATION NUMBER: 60/080,407
;  PRIOR FILING DATE: 1998-04-02
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: MS Word
; SEQ ID NO 4
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Differential Display PCR Primer
US-09-721-975-4

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db          1 AAGCTTTTTTTTTTTG 16


RESULT 906
US-08-894-251A-5
; Sequence 5, Application US/08894251A
; Patent No. 6455305
; GENERAL INFORMATION:
;  APPLICANT: Shlomo Melmed (Inventor)
;  APPLICANT:  Lin Pei (Inventor)
;  TITLE OF INVENTION: Pituitary-Tumor-Transforming Genes, and
;  TITLE OF INVENTION:  Related Products
;  FILE REFERENCE: P07 39556 (80392)
;  CURRENT APPLICATION NUMBER: US/08/894,251A
;  CURRENT FILING DATE:  1999-07-23
;  PRIOR APPLICATION NUMBER: PCT/US97/21463
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: US 60/031,338
;  PRIOR FILING DATE: 1996-11-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-08-894-251A-5

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db          1 AAGCTTTTTTTTTTTG 16


RESULT 907
US-09-739-928-2
; Sequence 2, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/739,928
;             FILING DATE: 11-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;             APPLICATION NUMBER: US 09/507,345
;             FILING DATE: 18-FEB-2000
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003510US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-739-928-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 908
US-09-739-928-2/c
; Sequence 2, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
```

```
;             APPLICATION NUMBER: US/09/739,928
;             FILING DATE: 11-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;             APPLICATION NUMBER: US 09/507,345
;             FILING DATE: 18-FEB-2000
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003510US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 2:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-739-928-2

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         16 AAAAAAAAAAAAAAAA 1


RESULT 909
US-09-300-958A-56
; Sequence 56, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 56
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-56

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db          1 AAGCTTTTTTTTTTTG 16


RESULT 910
US-09-300-958A-83
; Sequence 83, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 83
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-83

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db          1 AAGCTTTTTTTTTTTG 16


RESULT 911
US-09-986-621-4
; Sequence 4, Application US/09986621
; Patent No. 6521750
; GENERAL INFORMATION:
;  APPLICANT: Hair, Gregory A.
;  APPLICANT:  Boden, Scott D.
;  TITLE OF INVENTION: No. 6521750el Bone Mineralization Proteins, DNA, Vectors,
;  TITLE OF INVENTION:  Expression Systems
;  FILE REFERENCE: 06148.0115
;  CURRENT APPLICATION NUMBER: US/09/986,621
;  CURRENT FILING DATE:  2001-11-09
;  PRIOR APPLICATION NUMBER: 09/124,238
;  PRIOR FILING DATE: 1998-07-29
;  PRIOR APPLICATION NUMBER: 60/080,407
;  PRIOR FILING DATE: 1998-04-02
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: MS Word
; SEQ ID NO 4
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Differential Display PCR Primer
US-09-986-621-4

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db          1 AAGCTTTTTTTTTTTG 16
```

```
RESULT 912
US-09-527-972-15
; Sequence 15, Application US/09527972
; Patent No. 6642438
; GENERAL INFORMATION:
;  APPLICANT: Clendennen, Stephanie K.
;  APPLICANT: Kellogg, Jill A.
;  APPLICANT: Phan, Chau B.
;  APPLICANT: Mathews, Helena V.
;  APPLICANT: Webb, Nancy M.
;  TITLE OF INVENTION: Banana and Melon Promoters for
;  TITLE OF INVENTION: Expression of Transgenes in Plants
;  FILE REFERENCE: 4257-0019.30
;  CURRENT APPLICATION NUMBER: US/09/527,972
;  CURRENT FILING DATE: 2000-03-17
;  EARLIER APPLICATION NUMBER: US 60/125,310
;  EARLIER FILING DATE: 1999-03-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide primer
US-09-527-972-15

  Query Match             0.6%;  Score 16;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 4.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTG 1782
              ||||||||||||||||
Db             1 AAGCTTTTTTTTTTG 16


RESULT 913
US-08-584-040-2550/c
; Sequence 2550, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2550:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2550

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         17 AAAAAAAAAAAAAAAA 2


RESULT 914
US-08-584-040-2551
; Sequence 2551, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2551:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
```

```
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-2551

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 5.7e+02;
  Matches    0;  Conservative   16;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ::::::::::::::::
Db          1 UUUUUUUUUUUUUUUU 16


RESULT 915
US-09-371-772B-1074/c
; Sequence 1074, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1074
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1074

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         17 AAAAAAAAAAAAAAAA 2


RESULT 916
US-09-371-772B-1075
; Sequence 1075, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1075
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1075

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 5.7e+02;
  Matches    0;  Conservative   16;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ::::::::::::::::
Db          1 UUUUUUUUUUUUUUUU 16


RESULT 917
US-08-821-827C-30
; Sequence 30, Application US/08821827C
; Patent No. 6297425
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561A
;  CURRENT APPLICATION NUMBER: US/08/821,827C
;  CURRENT FILING DATE:  1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 30
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(17)
;   OTHER INFORMATION: n = A,T,C or G
US-08-821-827C-30

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db          2 TTTTTTTTTTTTTTTT 17


RESULT 918
US-08-821-827C-30/c
; Sequence 30, Application US/08821827C
; Patent No. 6297425
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561A
;  CURRENT APPLICATION NUMBER: US/08/821,827C
;  CURRENT FILING DATE:  1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 30
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(17)
;   OTHER INFORMATION: n = A,T,C or G
US-08-821-827C-30

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
```

```
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         17 AAAAAAAAAAAAAAAA 2


RESULT 919
US-09-290-202B-30
; Sequence 30, Application US/09290202B
; Patent No. 6303846
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561D
;  CURRENT APPLICATION NUMBER: US/09/290,202B
;  CURRENT FILING DATE:  1999-04-12
;  PRIOR APPLICATION NUMBER: 08/821,827
;  PRIOR FILING DATE: 1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(17)
;   OTHER INFORMATION: n = A,T,C or G
US-09-290-202B-30

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db          2 TTTTTTTTTTTTTTTT 17


RESULT 920
US-09-290-202B-30/c
; Sequence 30, Application US/09290202B
; Patent No. 6303846
; GENERAL INFORMATION:
;  APPLICANT: Scelonge, Christopher J.
;  APPLICANT:  Bidney, Dennis L.
;  TITLE OF INVENTION: GENE ENCODING OXALATE DECARBOXYLASE FROM
;  TITLE OF INVENTION:  ASPERGILLUS PHOENICES
;  FILE REFERENCE: 0561D
;  CURRENT APPLICATION NUMBER: US/09/290,202B
;  CURRENT FILING DATE:  1999-04-12
;  PRIOR APPLICATION NUMBER: 08/821,827
;  PRIOR FILING DATE: 1997-03-21
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer
;   NAME/KEY: misc_feature
;   LOCATION: (1)...(17)
;   OTHER INFORMATION: n = A,T,C or G
US-09-290-202B-30

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         17 AAAAAAAAAAAAAAAA 2


RESULT 921
US-08-584-040-2549
; Sequence 2549, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2549:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2549

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 5.7e+02;
  Matches    1;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2180
              |:::::::::::::::
Db          2 CUUUUUUUUUUUUUUU 17


RESULT 922
US-08-584-040-2552/c
; Sequence 2552, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
```

```
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2552:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2552

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
              ||||||||||||||||
Db         16 GAAAAAAAAAAAAAAA 1


RESULT 923
US-09-475-947A-118/c
; Sequence 118, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 118
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-118

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
              ||||||||||||||||
Db         16 GAAAAAAAAAAAAAAA 1


RESULT 924
US-09-300-958A-63
; Sequence 63, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 63
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-63

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2172 TTTTTTTTTTTTTTTA 2187
              ||||||||||||||||
Db          2 TTTTTTTTTTTTTTTA 17


RESULT 925
US-09-371-772B-1073
; Sequence 1073, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1073
;   LENGTH: 17
;   TYPE: RNA
```

```
;   ORGANISM: Homo sapiens
US-09-371-772B-1073

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 5.7e+02;
  Matches    1;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2180
              |:::::::::::::::
Db          2 CUUUUUUUUUUUUUU 17


RESULT 926
US-09-371-772B-1076/c
; Sequence 1076, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1076
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1076

  Query Match             0.6%;  Score 16;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 5.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
              ||||||||||||||||
Db         16 GAAAAAAAAAAAAAAA 1


RESULT 927
US-09-637-751A-5
; Sequence 5, Application US/09637751A
; Patent No. 6383754
; GENERAL INFORMATION:
;  APPLICANT:  Kaufman, Joseph C.
;  APPLICANT:  Roth, Matthew E.
;  APPLICANT:  Lizardi, Paul M.
;  APPLICANT:  Feng, Li
;  APPLICANT:  Latimer, Darin R.
;  TITLE OF INVENTION:  Binary Encoded Sequence Tags
; Patent No. 6383754
;  FILE REFERENCE:  AGL 100
;  CURRENT APPLICATION NUMBER: US/09/637,751A
;  CURRENT FILING DATE:  2000-08-11
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-637-751A-5

  Query Match             0.6%;  Score 16;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2181
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 16


RESULT 928
US-09-437-076-1
; Sequence 1, Application US/09437076
; Patent No. 6261779
; GENERAL INFORMATION:
;  APPLICANT: Barber-Guillem, Emilio
;  APPLICANT: Nelson, M. Bud
;  APPLICANT: Castro, Stephanie
;  TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form c
;  CURRENT APPLICATION NUMBER: US/09/437,076
;  CURRENT FILING DATE: 1999-11-09
;  EARLIER APPLICATION NUMBER:
;  EARLIER FILING DATE:
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: Word for Windows
; SEQ ID NO 1
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   NAME/KEY:
;   LOCATION:
;   OTHER INFORMATION: synthesized
US-09-437-076-1

  Query Match             0.6%;  Score 16;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 6.9e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
              ||||||||||||||||
Db          3 GAAAAAAAAAAAAAAA 18


RESULT 929
US-08-715-461-5/c
; Sequence 5, Application US/08715461
; Patent No. 5985556
;  GENERAL INFORMATION:
;    APPLICANT:  KAMBARA, Hideki
;    APPLICANT:  OKANO, Kazunori
;    TITLE OF INVENTION:  DNA SEQUENCING METHOD AND DNA SAMPLE
;    TITLE OF INVENTION:  PREPARATION METHOD
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ANTONELLI, TERRY STOUT & KRAUS
;      STREET:  1300 No. 5985556th Seventeenth Street, Suite 1800
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22209
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/715,461
;      FILING DATE:  18-SEP-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  TERRY, David T.
;      REGISTRATION NUMBER:  20,178
;      REFERENCE/DOCKET NUMBER:  500.34872X00
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-312-6600
;      TELEFAX:  703-312-6666
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-715-461-5

  Query Match             0.6%;  Score 16;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
                ||||||||||||||||
Db         16 GAAAAAAAAAAAAAAA 1


RESULT 930
US-09-965-599-4
; Sequence 4, Application US/09965599
; Patent No. 6555670
; GENERAL INFORMATION:
;  APPLICANT: Aizawa, Akira
;  APPLICANT:  Kawakami, Akiko
;  APPLICANT:  Kondo, Toshihiko
;  TITLE OF INVENTION: Testis-Specific Gene
;  FILE REFERENCE: 6920/0J871
;  CURRENT APPLICATION NUMBER: US/09/965,599
;  CURRENT FILING DATE:  2001-09-26
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer HT15-C
US-09-965-599-4

  Query Match             0.6%;  Score 16;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2180
                ||||||||||||||||
Db          4 CTTTTTTTTTTTTTTT 19


RESULT 931
US-09-965-599-4/c
; Sequence 4, Application US/09965599
; Patent No. 6555670
; GENERAL INFORMATION:
;  APPLICANT: Aizawa, Akira
;  APPLICANT:  Kawakami, Akiko
;  APPLICANT:  Kondo, Toshihiko
;  TITLE OF INVENTION: Testis-Specific Gene
;  FILE REFERENCE: 6920/0J871
;  CURRENT APPLICATION NUMBER: US/09/965,599
;  CURRENT FILING DATE:  2001-09-26
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: PCR primer HT15-C
US-09-965-599-4

  Query Match             0.6%;  Score 16;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
                ||||||||||||||||
Db         20 GAAAAAAAAAAAAAAA 5


RESULT 932
US-09-198-452A-2893
; Sequence 2893, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2893
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2893

  Query Match             0.6%;  Score 16;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 9.7e+02;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2084 CTCTAAACCCCGTGTT 2099
                ||||||||||||||||
Db          5 CTCTAAACCCCGTGTT 20


RESULT 933
US-09-228-942-8/c
; Sequence 8, Application US/09228942
; Patent No. 6203988
; GENERAL INFORMATION:
;  APPLICANT: Kambara, Hideki
;  APPLICANT: Uematsu, Chihiro
;  TITLE OF INVENTION: DNA FRAGMENT ANALYSIS METHOD AND REAGENT KIT
;  FILE REFERENCE: ASA-757
;  CURRENT APPLICATION NUMBER: US/09/228,942
;  CURRENT FILING DATE: 1999-01-12
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide ligated to 3' end of DNA fragment
US-09-228-942-8

  Query Match             0.6%;  Score 16;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||||||||||||||
Db         21 AAAAAAAAAAAAAAAA 6


RESULT 934
US-08-621-914A-4/c
```

```
; Sequence 4, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-4

  Query Match             0.6%;  Score 16;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||||||||||||||
Db         22 AAAAAAAAAAAAAAAA 7


RESULT 935
US-09-056-052-7/c
; Sequence 7, Application US/09056052
; Patent No. 6090556
; GENERAL INFORMATION:
;  APPLICANT: Kato, Kikuya
;  TITLE OF INVENTION: Adaptor-Tagged Competitive PCR
;  FILE REFERENCE: 07898/026001
;  CURRENT APPLICATION NUMBER: US/09/056,052
;  CURRENT FILING DATE: 1998-04-06
;  EARLIER APPLICATION NUMBER: JP88495/1997
;  EARLIER FILING DATE: 1997-04-07
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-056-052-7

  Query Match             0.6%;  Score 16;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||||||||||||||
Db         22 AAAAAAAAAAAAAAAA 7


RESULT 936
US-08-621-914A-6/c
; Sequence 6, Application US/08621914A
; Patent No. 5707807
;  GENERAL INFORMATION:
;    APPLICANT:  KATO, KIKUYA
;    TITLE OF INVENTION:  MOLECULAR INDEXING FOR EXPRESSED GENE
;    TITLE OF INVENTION:  ANALYSIS
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PENNIE & EDMONDS
;      STREET:  1155 AVENUE OF THE AMERICAS
;      CITY:  NEW YORK
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/621,914A
;      FILING DATE:  26-MAR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LAWRENCE III, STANTON T.
;      REGISTRATION NUMBER:  25,736
;      REFERENCE/DOCKET NUMBER:  7005-107-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 790-9090
;      TELEFAX:  (212) 869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  other nucleic acid
US-08-621-914A-6

  Query Match             0.6%;  Score 16;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||||||||||||||
Db         22 AAAAAAAAAAAAAAAA 7


RESULT 937
US-09-056-052-9/c
; Sequence 9, Application US/09056052
; Patent No. 6090556
; GENERAL INFORMATION:
;  APPLICANT: Kato, Kikuya
;  TITLE OF INVENTION: Adaptor-Tagged Competitive PCR
;  FILE REFERENCE: 07898/026001
;  CURRENT APPLICATION NUMBER: US/09/056,052
;  CURRENT FILING DATE: 1998-04-06
;  EARLIER APPLICATION NUMBER: JP88495/1997
;  EARLIER FILING DATE: 1997-04-07
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
```

```
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-056-052-9

  Query Match             0.6%;  Score 16;  DB 1;  Length 23;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         22 AAAAAAAAAAAAAAAA 7


RESULT 938
US-08-356-790-9/c
; Sequence 9, Application US/08356790
; Patent No. 5589622
;  GENERAL INFORMATION:
;    APPLICANT:  Gurr, Sarah J.
;    APPLICANT:  McPherson, Michael J.
;    APPLICANT:  Atkinson, Howard J.
;    APPLICANT:  Bowles, Dianna J.
;    TITLE OF INVENTION:  Plant Parasitic Nematode Control
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Reising, Ethington, Barnard, Perry & Milton
;      STREET:  P.O. Box 4390
;      CITY:  Troy
;      STATE:  Michigan
;      COUNTRY:  USA
;      ZIP:  48099
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/356,790
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/988,954
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,995
;      REFERENCE/DOCKET NUMBER:  P-338 (UDL)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810) 689-3500
;      TELEFAX:  (810) 689-4071
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-356-790-9

  Query Match             0.6%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         24 AAAAAAAAAAAAAAAA 9


RESULT 939
US-08-983-108-1
; Sequence 1, Application US/08983108
; Patent No. 5972612
;  GENERAL INFORMATION:
;    APPLICANT:  Malmqvist, Magnus
;    APPLICANT:  Persson, Bjorn
;    TITLE OF INVENTION:  METHOD FOR NUCLEIC ACID SEQUENCING
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/983,108
;      FILING DATE:  15-MAY-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Loop, Thomas E.
;      REGISTRATION NUMBER:  41,181
;      REFERENCE/DOCKET NUMBER:  740073.441US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-983-108-1

  Query Match             0.6%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 1.6e+03;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTT 2178
              |||||||  | | || ||||||||
Db          1 TTTTTTTTGCATCTTATTTTTTT 24


RESULT 940
US-09-150-900-14/c
; Sequence 14, Application US/09150900
; Patent No. 6207425
; GENERAL INFORMATION:
;  APPLICANT: Liu, Quiang
;  APPLICANT: Sommer, Steve S.
;  TITLE OF INVENTION: BIDIRECTIONAL PCR AMPLIFICATION OF SPECIFIC ALLELES
;  FILE REFERENCE: Bi-PASA
;  CURRENT APPLICATION NUMBER: US/09/150,900
;  CURRENT FILING DATE: 1998-09-10
;  EARLIER APPLICATION NUMBER: 60/058575
;  EARLIER FILING DATE: 1997-09-11
;  NUMBER OF SEQ ID NOS: 48
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-150-900-14

  Query Match             0.6%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 1.6e+03;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy         16 TGCGTGTCCAGTGACCCGGACAGC 39
              ||| ||||||| ||||| | | ||
```

```
Db         24 TGCCTGTCCAGGGACCCCGCCCGC 1


RESULT 941
US-09-719-919A-13
; Sequence 13, Application US/09719919A
; Patent No. 6680180
; GENERAL INFORMATION:
;  APPLICANT: Jegla, Timothy James
;  APPLICANT:  ICAgen Incorporated
;  TITLE OF INVENTION: Kv6.2, a Voltage-Gated Potassium Channel Subunit
;  FILE REFERENCE: 018512-001410US
;  CURRENT APPLICATION NUMBER: US/09/719,919A
;  CURRENT FILING DATE:  2001-02-22
;  PRIOR APPLICATION NUMBER: US 60/091,466
;  PRIOR FILING DATE: 1998-07-01
;  PRIOR APPLICATION NUMBER: WO PCT/US99/14945
;  PRIOR FILING DATE: 1999-06-30
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:human standard
;   OTHER INFORMATION: 3' RACE PCR gene specific pore (P) region sense
;   OTHER INFORMATION: primer
US-09-719-919A-13

  Query Match             0.6%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 1.6e+03;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1216 CATGCTATTGGCGGCCCAGCAACT 1239
                ||| ||||||| || ||| || ||
Db          1 CATCCTATTGGTGGGCCATCATCT 24


RESULT 942
PCT-US92-10792-27
; Sequence 27, Application PC/TUS9210792
;  GENERAL INFORMATION:
;    APPLICANT:  Jayasena, Sumedha D.
;    APPLICANT:  Johnston, Brian H.
;    TITLE OF INVENTION:  Triple Helix Formation at
;    TITLE OF INVENTION:  (PuNPyN)-(PuNPyN) Tracts
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SRI International
;      STREET:  333 Ravenswood Avenue
;      CITY:  Menlo Park
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/10792
;      FILING DATE:  19921211
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/826,934
;      FILING DATE:  21-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/808,452
;      FILING DATE:  13-DEC-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fabian, Gary R.
;      REGISTRATION NUMBER:  33,875
;      REFERENCE/DOCKET NUMBER:  P-3141
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 859-4550
;      TELEFAX:  (415) 859-3880
;  INFORMATION FOR SEQ ID NO:  27:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  FIGURE 12B, Dx
PCT-US92-10792-27

  Query Match             0.6%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 1.6e+03;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTTTTTT 2178
                | || | ||||||||||  |||||
Db          1 TCTTCTCCTCCTTTTTTCCTTTTT 24


RESULT 943
5399676-1
;Patent No. 5399676
;    APPLICANT: FROEHLER, BRIAN
;    TITLE OF INVENTION: OLIGONUCLEOTIDES WITH INVERTED POLARITY
;    NUMBER OF SEQUENCES: 2
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/559,958
;      FILING DATE: 30-JUL-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 502,272
;      FILING DATE: 29-MAR-1990
;      APPLICATION NUMBER: 425,803
;      FILING DATE: 23-OCT-1989
;SEQ ID NO:1:
;      LENGTH: 24
5399676-1

  Query Match             0.6%;  Score 16;  DB 1;  Length 24;
  Best Local Similarity   79.2%;  Pred. No. 1.6e+03;
  Matches   19;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTTTTTTTT 2186
                || || |||| |||| || |||||
Db          1 TCTTTCTTTTCTTTTCTTCTTTTT 24


RESULT 944
US-09-282-147-1/c
; Sequence 1, Application US/09282147
; Patent No. 6274147
; GENERAL INFORMATION:
;  APPLICANT: VAKHARIA, Vikram
;  APPLICANT: YAO, Kun
;  TITLE OF INVENTION: METHOD FOR GENERATING NONPATHOGENIC, INFECTIOUS
;  TITLE OF INVENTION: PANCREATIC NECROSIS VIRUS (IPNV) FROM SYNTHETIC RNA
;  TITLE OF INVENTION: TRANSCRIPTS
;  FILE REFERENCE: 8288-9023
;  CURRENT APPLICATION NUMBER: US/09/282,147
;  CURRENT FILING DATE: 1999-03-31
;  EARLIER APPLICATION NUMBER: US/60/080,278
;  EARLIER FILING DATE: 1998-03-31
;  EARLIER APPLICATION NUMBER: PCT/US97/12955
;  EARLIER FILING DATE: 1998-03-31
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 26
```

```
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
US-09-282-147-1

  Query Match             0.6%;  Score 16;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||||||||||||
Db         26 AAAAAAAAAAAAAAAA 11


RESULT 945
US-08-602-716A-1
; Sequence 1, Application US/08602716A
; Patent No. 5962664
;  GENERAL INFORMATION:
;    APPLICANT:  FRIEDHOFF, Arnold J.
;    APPLICANT:  BASHAM, Daryl A.
;    APPLICANT:  MILLER, Jeanette C.
;    TITLE OF INVENTION:  PSYCHOSIS PROTECTING NUCLEIC ACID,
;    TITLE OF INVENTION:  PEPTIDES, COMPOSITIONS AND METHODS OF USE
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/602,716A
;      FILING DATE:  23-FEB-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/060,560
;      FILING DATE:  13-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05545
;      FILING DATE:  13-MAY-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  FRIEDHOFF=1A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-602-716A-1

  Query Match             0.6%;  Score 16;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   16;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2181
              ||||||||||||||||
Db          1 TTTTTTTTTTTTTTTT 16


RESULT 946
US-07-841-652-26
; Sequence 26, Application US/07841652
; Patent No. 5266459
;  GENERAL INFORMATION:
;    APPLICANT:  Beutler, Ernest
;    TITLE OF INVENTION:  GAUCHER'S DISEASE: DETECTION OF A NEW
;    TITLE OF INVENTION:  MUTATION IN INTRON 2 OF THE GLUCOCEREBROSIDASE GENE
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  The Scripps Research Institute, Office of
;      ADDRESSEE:  Patent Counsel
;      STREET:  10666 No. 5266459th Torrey Pines Road, TPC 8
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/841,652
;      FILING DATE:  19920224
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bingham, Douglas A
;      REGISTRATION NUMBER:  32,457
;      REFERENCE/DOCKET NUMBER:  SCR0670P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-554-2937
;      TELEFAX:  619-554-6312
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-07-841-652-26

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        109 TGGGGGCTGGGGGGATCCT 127
              |||||||||||||||  ||
Db          2 TGGGGGCTGGGGGGACACT 20


RESULT 947
US-08-164-200-6/c
; Sequence 6, Application US/08164200
; Patent No. 5552390
;  GENERAL INFORMATION:
;    APPLICANT:  Scholar, Eric M.
;    APPLICANT:  Iverson, Patrick L.
;    TITLE OF INVENTION:  Phosphorothioate Inhibitors of Metastatic
;    TITLE OF INVENTION:  Breast Cancer
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Zarley, McKee, Thomte, Voorhees, & Sease
;      STREET:  801 Grand Avenue Suite 3200
;      CITY:  Des Moines
;      STATE:  Iowa
;      COUNTRY:  United States
;      ZIP:  50309
```

```
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/164,200
;      FILING DATE:  December 9, 1993
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nebel, Heidi Sease
;      REGISTRATION NUMBER:  P-37,719
;      REFERENCE/DOCKET NUMBER:  UNMC #63054
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (515) 288-3667
;      TELEFAX:  (515) 288-1338
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-164-200-6

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||||  ||||||  |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 948
US-08-179-655A-1/c
; Sequence 1, Application US/08179655A
; Patent No. 5641754
;  GENERAL INFORMATION:
;    APPLICANT:  Iverson, Patrick L.
;    TITLE OF INVENTION:  Methods and Compostions for Selectively
;    TITLE OF INVENTION:  Treating Cancer Cells Characterized by p53 Expression
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Zarley, McKee, Thomte, Voorhees, & Sease
;      STREET:  801 Grand Suite 3200
;      CITY:  Des Moines
;      STATE:  Iowa
;      COUNTRY:  United States
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/179,655A
;      FILING DATE:  10-JAN-1994
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nebel, Heidi S.
;      REGISTRATION NUMBER:  37,719
;      REFERENCE/DOCKET NUMBER:  unmc 63060
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515-288-3667
;      TELEFAX:  515-288-1338
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-179-655A-1

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||||  ||||||  |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 949
US-08-327-371-4/c
; Sequence 4, Application US/08327371
; Patent No. 5654415
;  GENERAL INFORMATION:
;    APPLICANT:  Smith, Larry J.
;    TITLE OF INVENTION:  Method and Compositions for Cellular
;    TITLE OF INVENTION:  Reprogramming
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street, Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/327,371
;      FILING DATE:  21-OCT-1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/748,997
;      FILING DATE:  23-AUG-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;      REFERENCE/DOCKET NUMBER:  UNMC 63032.1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-327-371-4

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||||  ||||||  |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 950
US-08-670-999-4/c
```

```
; Sequence 4, Application US/08670999
; Patent No. 5849727
;  GENERAL INFORMATION:
;    APPLICANT:  Porter, Thomas R.
;    APPLICANT:  Iverson, Patrick L.
;    TITLE OF INVENTION:  Compositions and Methods for Altering
;    TITLE OF INVENTION:  the Biodistribution of Biological Agents
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Zarley, McKee, Thomte, Voorhees & Sease
;      STREET:  801 Grand Suite 3200
;      CITY:  Des Moines
;      STATE:  Iowa
;      COUNTRY:  United States
;      ZIP:  50309
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/670,999
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nebel, Heidi S.
;      REGISTRATION NUMBER:  37,719
;      REFERENCE/DOCKET NUMBER:  unmc 107A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  515-288-3667
;      TELEFAX:  515-288-1338
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-670-999-4

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||||  ||||||  |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 951
US-08-511-536-8/c
; Sequence 8, Application US/08511536
; Patent No. 5968909
;  GENERAL INFORMATION:
;    APPLICANT:  Agrawal, Sudhir
;    APPLICANT:  Temsamani, Jamal
;    APPLICANT:  Zhao, Qiuyan
;    TITLE OF INVENTION:  METHOD OF MODULATING GENE EXPRESSION WITH REDUCED IMMUNOSTIMU
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ann-Louise Kerner,Ph.D., Lappin & Kusmer
;      STREET:  200 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/511,536
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniels, Patricia A.
;      REGISTRATION NUMBER:  33,194
;      REFERENCE/DOCKET NUMBER:  HYZ-043
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-330-1300
;      TELEFAX:  617-330-1311
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "phosphorothioate linked
;      DESCRIPTION:  deoxyribonucleic acid"
;    ANTI-SENSE:  YES
;    ORIGINAL SOURCE:
;      ORGANISM:  human p53
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1..20
;      OTHER INFORMATION:  /product= "phosphorothioate
;      OTHER INFORMATION:  linkage"
US-08-511-536-8

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||||  ||||||  |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 952
US-09-344-914-86
; Sequence 86, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 86
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-86

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2265 TATTTATTTCAGATGTTTC 2283
              ||||||||||  ||||||
Db          1 TATTTATTTCATTTGTTTC 19


RESULT 953
US-09-030-701-65
; Sequence 65, Application US/09030701B
; Patent No. 6214806
; GENERAL INFORMATION:
;  APPLICANT:  Krieg, Arthur M.
```

```
;  APPLICANT:  Schwartz, David A.
;  TITLE OF INVENTION:  USE OF NUCLEIC ACIDS CONTAINING
;  TITLE OF INVENTION:  UNMETHYLATED CpG DINUCLEOTIDE IN THE TREATMENT OF
;  TITLE OF INVENTION:  LPS-ASSOCIATED DISORDERS
;  FILE REFERENCE:  C1039/7011
;  CURRENT APPLICATION NUMBER: US/09/030,701B
;  CURRENT FILING DATE:  1998-02-25
;  PRIOR APPLICATION NUMBER:  60/039,405
;  PRIOR FILING DATE:  1997-02-28
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-030-701-65

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| |||||||||| |
Db          2 GCGGCGGCGGCGGCGGCGG 20


RESULT 954
US-09-114-399-4/c
; Sequence 4, Application US/09114399
; Patent No. 6245747
; GENERAL INFORMATION:
;  APPLICANT:  Porter, Thomas R.
;  APPLICANT:  Iversen, Patrick L.
;  APPLICANT:  Meyer, Gary D.
;  TITLE OF INVENTION:  Targeted Site Specific Drug Delivery
;  TITLE OF INVENTION:  Compositions and Method of Use
;  FILE REFERENCE:  0450-0310.31
;  CURRENT APPLICATION NUMBER: US/09/114,399
;  CURRENT FILING DATE:  1998-07-13
;  PRIOR APPLICATION NUMBER:  US 08/615,495
;  PRIOR FILING DATE:  1996-03-12
;  NUMBER OF SEQ ID NOS:  4
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 4
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PS-ODN
US-09-114-399-4

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||| |||||| |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 955
US-09-104-549-2/c
; Sequence 2, Application US/09104549
; Patent No. 6265389
;  GENERAL INFORMATION:
;    APPLICANT:  Burke, Paul A.
;    TITLE OF INVENTION:  Microencapsulation and Sustained Release
;    TITLE OF INVENTION:  of Oligonucleotides
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hamilton, Brook, Smith & Reynolds, P.C.
;      STREET:  Two Militia Drive
;      CITY:  Lexington
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02421
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/104,549
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/934,830
;      FILING DATE:  22-SEP-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/521,744
;      FILING DATE:  31-AUG-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brook, David E.
;      REGISTRATION NUMBER:  22,592
;      REFERENCE/DOCKET NUMBER:  ACT95-10MA2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (781) 861-6240
;      TELEFAX:  (781) 861-9540
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-104-549-2

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||| |||||| |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 956
US-09-082-649B-57
; Sequence 57, Application US/09082649B
; Patent No. 6339068
; GENERAL INFORMATION:
;  APPLICANT:  Davis, Heather L.
;  APPLICANT:  Krieg, Arthur M.
;  APPLICANT:  Schorr, Joachim
;  APPLICANT:  Wu, Tong
;  TITLE OF INVENTION:  Vectors and Methods for Immunization or
;  TITLE OF INVENTION:  Therapeutic Protocols
;  FILE REFERENCE:  C1039/7009
;  CURRENT APPLICATION NUMBER: US/09/082,649B
;  CURRENT FILING DATE:  1998-05-20
;  PRIOR APPLICATION NUMBER:  US 60/047,233
;  PRIOR FILING DATE:  1997-05-20
;  PRIOR APPLICATION NUMBER:  US 60/047,209
;  PRIOR FILING DATE:  1997-05-20
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 57
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-082-649B-57

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
```

```
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db          2 GCGGCGGCGGCGGCGGCGG 20


RESULT 957
US-09-426-804-2/c
; Sequence 2, Application US/09426804
; Patent No. 6365577
; GENERAL INFORMATION:
;  APPLICANT: Iversen, Patrick L.
;  TITLE OF INVENTION: p53 Antisense Agent and Method
;  FILE REFERENCE: 0450-0022.30
;  CURRENT APPLICATION NUMBER: US/09/426,804
;  CURRENT FILING DATE: 1999-10-22
;  EARLIER APPLICATION NUMBER: US 60/105,695
;  EARLIER FILING DATE: 1998-10-26
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense oligonucleotide
US-09-426-804-2

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              |||||||| |||||| |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 958
US-09-725-265-35/c
; Sequence 35, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-35

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2517 GGTTTTATTCATATATATA 2535
              |||||| || |||||||||
Db         20 GGTTTTTTTTATATATATA 2


RESULT 959
US-09-422-978-11754/c
; Sequence 11754, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11754
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-5605 for SEQ 3889, in compleme
US-09-422-978-11754

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1483 CAAAACCCTGGAGAAAATG 1501
              |||||||||||| ||| ||
Db         20 CAAAACCCTGGAAAAACTG 2


RESULT 960
US-09-820-587-2/c
; Sequence 2, Application US/09820587
; Patent No. 6555525
;   GENERAL INFORMATION:
;        APPLICANT: Burke, Paul A.
;        TITLE OF INVENTION: Microencapsulation and Sustained Release
;                            of Oligonucleotides
;        NUMBER OF SEQUENCES: 2
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
;             STREET: Two Militia Drive
;             CITY: Lexington
;             STATE: Massachusetts
;             COUNTRY: USA
;             ZIP: 02421
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/820,587
;             FILING DATE: 29-Mar-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US/09/104,549
;             FILING DATE: 25-JUN-1998
```

```
;              APPLICATION NUMBER: US 08/934,830
;              FILING DATE: 22-SEP-1997
;              APPLICATION NUMBER: US 08/521,744
;              FILING DATE: 31-AUG-1995
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Brook, David E.
;              REGISTRATION NUMBER: 22,592
;              REFERENCE/DOCKET NUMBER: ACT95-10MA2
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (781) 861-6240
;              TELEFAX: (781) 861-9540
;    INFORMATION FOR SEQ ID NO: 2:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 20 base pairs
;              TYPE: nucleic acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-820-587-2

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||||  ||||||  |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 961
US-09-780-045-104/c
; Sequence 104, Application US/09780045
; Patent No. 6602713
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT E
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0130
;  CURRENT APPLICATION NUMBER: US/09/780,045
;  CURRENT FILING DATE:  2001-02-09
;  NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 104
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-045-104

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||||||  ||||||  |
Db         20 GCGGCGGGGGAGGCGGCGG 2


RESULT 962
US-08-527-126-3/c
; Sequence 3, Application US/08527126
; Patent No. 6667293
;  GENERAL INFORMATION:
;    APPLICANT:  Zhao, Qiuyan
;    APPLICANT:  Temsamani, Jamal
;    APPLICANT:  Agrawal, Sudhir
;    TITLE OF INVENTION:  USE OF CYCLODEXTRINS TO MODULATE GENE
;    TITLE OF INVENTION:  EXPRESSION WITH REDUCED IMMUNOSTIMULATORY RESPONSE
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ann-Louise Kerner, Ph.D., Lappin & Kusmer
;      STREET:  200 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/527,126
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniels, Patricia A.
;      REGISTRATION NUMBER:  33,194
;      REFERENCE/DOCKET NUMBER:  HYZ-045
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-330-1300
;      TELEFAX:  617-330-1311
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "phosphorothioate linked
;      DESCRIPTION:  deoxyribonucleic acid"
;    ANTI-SENSE:  YES
;    ORIGINAL SOURCE:
;      ORGANISM:  human p53
US-08-527-126-3

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 20;
  Best Local Similarity   89.5%;  Pred. No. 1.1e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGGG 505
              ||||||||  ||||||  |||
Db         19 GAGCCAGGGGGGAGCAGGG 1


RESULT 963
US-08-863-639A-52/c
; Sequence 52, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
```

```
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  52:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-52

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   89.5%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db         19 GCGGCGGCGGCGGCGGCGG 1


RESULT 964
US-08-863-639A-55/c
; Sequence 55, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  55:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-55

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   89.5%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db         21 GCGGCGGCGGCGGCGGCGG 3


RESULT 965
US-08-863-639A-56
; Sequence 56, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  56:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-56

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   89.5%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db          3 GCGGCGGCGGCGGCGGCGG 21


RESULT 966
US-08-863-639A-67/c
; Sequence 67, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
```

```
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  67:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-67

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   89.5%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db         20 GCGGCGGCGGCGGCGGCGG 2


RESULT 967
US-08-863-639A-68
; Sequence 68, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  68:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-68

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   89.5%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db          1 GCGGCGGCGGCGGCGGCGG 19


RESULT 968
US-08-863-639A-71
; Sequence 71, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  71:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-71

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   89.5%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db          2 GCGGCGGCGGCGGCGGCGG 20


RESULT 969
US-08-416-214A-11
; Sequence 11, Application US/08416214A
; Patent No. 5998596
;  GENERAL INFORMATION:
;    APPLICANT:  Bergan, Raymond; Neckers, Len
;    TITLE OF INVENTION:  Inhibition Of Protein
;    TITLE OF INVENTION:  Kinase Activity By Aptameric Action Of
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  12
```

```
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/416,214A
;      FILING DATE:  04-APR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Kathryn M.
;      REGISTRATION NUMBER:  34,556
;      REFERENCE/DOCKET NUMBER:  2026-4166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;      TELEX:  421792
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  Nucleic acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Other nucleic acid
;    HYPOTHETICAL:  Yes
;    ANTI-SENSE:  No
US-08-416-214A-11

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   89.5%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| |||||||||| |
Db          2 GCGGCGGCGGCGGCGGCGG 20


RESULT 970
US-09-009-913-100/c
; Sequence 100, Application US/09009913
; Patent No. 6087485
;  GENERAL INFORMATION:
;    APPLICANT:  AxyS Pharmaceuticals, Inc.
;    TITLE OF INVENTION:  Asthma Related Genes
;    NUMBER OF SEQUENCES:  339
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bozicevic & Reed, LLP
;      STREET:  285 Hamilton Ave, Suite 200
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/009,913
;      FILING DATE:  21-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sherwood, Pamela J
;      REGISTRATION NUMBER:  36,677
;      REFERENCE/DOCKET NUMBER:  SEQ-4P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-327-3231
;      TELEFAX:  650-327-3231
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  100:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-009-913-100

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 1.2e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1968 TATTTACCTTGAAAAAAAGA 1987
              ||||| |||| ||||||| |
Db         21 TATTTTCCTTNAAAAAAAAA 2


RESULT 971
US-09-688-990-20/c
; Sequence 20, Application US/09688990
; Patent No. 6682907
; GENERAL INFORMATION:
;  APPLICANT: CHARNEAU, PIERRE
;  APPLICANT:  ZENNOU, VERONIQUE
;  APPLICANT:  FIRAT, HUSEYIN
;  TITLE OF INVENTION: USE OF TRIPLEX STRUCTURE DNA SEQUENCES FOR TRANSFERRING
;  TITLE OF INVENTION:  NUCLEOTIDE SEQUENCES
;  FILE REFERENCE: 03495.0199
;  CURRENT APPLICATION NUMBER: US/09/688,990
;  CURRENT FILING DATE:  2000-10-17
;  PRIOR APPLICATION NUMBER: PCT/FR99/00974
;  PRIOR FILING DATE: 1999-04-23
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Caprine arthritis encaphalitis virus
US-09-688-990-20

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 22;
  Best Local Similarity   89.5%;  Pred. No. 1.4e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTT 2182
              ||||| ||||||| |||||
Db         19 CCTTTCTTTTTTTATTTTT 1


RESULT 972
US-08-660-402-3
; Sequence 3, Application US/08660402
; Patent No. 5834193
;  GENERAL INFORMATION:
;    APPLICANT:  Michael R. Kozlowski
;    APPLICANT:  Karen R. Prowse
;    APPLICANT:  Sharon Wong
;    APPLICANT:  Sy-Shi Wang
;    APPLICANT:  Nam Woo Kim
;    APPLICANT:  Richard Allsopp
;    TITLE OF INVENTION:  METHODS FOR MEASURING TELOMERE
;    TITLE OF INVENTION:  LENGTH
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Geron Corporation
;      STREET:  200 Constitution Drive
;      CITY:  Menlo Park
;      STATE:  California
```

```
;       COUNTRY:  USA
;       ZIP:  94025
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 2.0 Mb
;       COMPUTER:  Apple Macintosh
;       OPERATING SYSTEM:  Macintosh System 7.5.2
;       SOFTWARE:  MicrosoftWord (Version 6.0.1)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/660,402
;       FILING DATE:  herewith
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/479,916
;       FILING DATE:  June 7, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Kaster, Kevin
;       REGISTRATION NUMBER:  32,704
;       REFERENCE/DOCKET NUMBER:  041/036P
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 473-7779
;       TELEFAX:  (415) 473-7750
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  23
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-660-402-3

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 23;
  Best Local Similarity   81.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1800 CTCTGAAAGTGGTGCTATAAG 1820
                ||||||||||||  |:|| ||
Db          3 CTCTGAAAGTGGACCWATCAG 23


RESULT 973
US-08-660-402-7/c
; Sequence 7, Application US/08660402
; Patent No. 5834193
;  GENERAL INFORMATION:
;    APPLICANT:  Michael R. Kozlowski
;    APPLICANT:  Karen R. Prowse
;    APPLICANT:  Sharon Wong
;    APPLICANT:  Sy-Shi Wang
;    APPLICANT:  Nam Woo Kim
;    APPLICANT:  Richard Allsopp
;    TITLE OF INVENTION:  METHODS FOR MEASURING TELOMERE
;    TITLE OF INVENTION:  LENGTH
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Geron Corporation
;      STREET:  200 Constitution Drive
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 2.0 Mb
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh System 7.5.2
;      SOFTWARE:  MicrosoftWord (Version 6.0.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/660,402
;      FILING DATE:  herewith
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/479,916
;      FILING DATE:  June 7, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaster, Kevin
;      REGISTRATION NUMBER:  32,704
;      REFERENCE/DOCKET NUMBER:  041/036P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 473-7779
;      TELEFAX:  (415) 473-7750
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-660-402-7

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 23;
  Best Local Similarity   81.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1800 CTCTGAAAGTGGTGCTATAAG 1820
                ||||||||||||  |:|| ||
Db         21 CTCTGAAAGTGGACCWATCAG 1


RESULT 974
PCT-US96-10035-3
; Sequence 3, Application PC/TUS9610035
;  GENERAL INFORMATION:
;    APPLICANT:  Michael R. Kozlowski
;    APPLICANT:  Karen R. Prowse
;    APPLICANT:  Sharon Wong
;    APPLICANT:  Sy-Shi Wang
;    APPLICANT:  Nam Woo Kim
;    APPLICANT:  Richard Allsopp
;    TITLE OF INVENTION:  METHODS FOR MEASURING TELOMERE
;    TITLE OF INVENTION:  LENGTH
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Geron Corporation
;      STREET:  200 Constitution Drive
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 2.0 Mb
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh System 7.5.2
;      SOFTWARE:  MicrosoftWord (Version 6.0.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/10035
;      FILING DATE:  herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/479,916
;      FILING DATE:  June 7, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaster, Kevin
;      REGISTRATION NUMBER:  32,704
;      REFERENCE/DOCKET NUMBER:  041/036P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 473-7779
;      TELEFAX:  (415) 473-7750
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
PCT-US96-10035-3

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 23;
  Best Local Similarity   81.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       1800 CTCTGAAAGTGGTGCTATAAG 1820
              ||||||||||||  |:|| ||
Db          3 CTCTGAAAGTGGACCWATCAG 23

RESULT 975
PCT-US96-10035-7/c
; Sequence 7, Application PC/TUS9610035
;  GENERAL INFORMATION:
;    APPLICANT:  Michael R. Kozlowski
;    APPLICANT:  Karen R. Prowse
;    APPLICANT:  Sharon Wong
;    APPLICANT:  Sy-Shi Wang
;    APPLICANT:  Nam Woo Kim
;    APPLICANT:  Richard Allsopp
;    TITLE OF INVENTION:  METHODS FOR MEASURING TELOMERE
;    TITLE OF INVENTION:  LENGTH
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Geron Corporation
;      STREET:  200 Constitution Drive
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 2.0 Mb
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh System 7.5.2
;      SOFTWARE:  MicrosoftWord (Version 6.0.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/10035
;      FILING DATE:  herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/479,916
;      FILING DATE:  June 7, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaster, Kevin
;      REGISTRATION NUMBER:  32,704
;      REFERENCE/DOCKET NUMBER:  041/036P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 473-7779
;      TELEFAX:  (415) 473-7750
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
PCT-US96-10035-7

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 23;
  Best Local Similarity   81.0%;  Pred. No. 1.6e+03;
  Matches   17;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1800 CTCTGAAAGTGGTGCTATAAG 1820
              ||||||||||||  |:|| ||
Db         21 CTCTGAAAGTGGACCWATCAG 1

RESULT 976
US-08-570-155-16/c
; Sequence 16, Application US/08570155
; Patent No. 5962332
;  GENERAL INFORMATION:
;    APPLICANT:  Singer, Robert H.
;    APPLICANT:  Taneja, Krishan L.
;    TITLE OF INVENTION:  DETECTION OF TRINUCLEOTIDE REPEATS
;    TITLE OF INVENTION:  BY IN SITU HYBRIDIZATION
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FISH & RICHARDSON P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/570,155
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/399,499
;      FILING DATE:  07 March 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/214,823
;      FILING DATE:  17 March 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clark, Paul T.
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06353/011001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-570-155-16

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 24;
  Best Local Similarity   89.5%;  Pred. No. 1.7e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db         21 GCGGCGGCGGCGGCGGCGG 3

RESULT 977
US-08-570-155-17
; Sequence 17, Application US/08570155
; Patent No. 5962332
;  GENERAL INFORMATION:
;    APPLICANT:  Singer, Robert H.
;    APPLICANT:  Taneja, Krishan L.
;    TITLE OF INVENTION:  DETECTION OF TRINUCLEOTIDE REPEATS
;    TITLE OF INVENTION:  BY IN SITU HYBRIDIZATION
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FISH & RICHARDSON P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/570,155
;      FILING DATE:
```

```
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/399,499
;      FILING DATE:  07 March 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/214,823
;      FILING DATE:  17 March 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clark, Paul T.
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06353/011001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-570-155-17

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 24;
  Best Local Similarity   89.5%;  Pred. No. 1.7e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||||||||| |
Db          4 GCGGCGGCGGCGGCGGCGG 22


RESULT 978
US-09-005-923-8/c
; Sequence 8, Application US/09005923
; Patent No. 6140047
;  GENERAL INFORMATION:
;    APPLICANT:  Duff, Gordon W.
;    APPLICANT:  Di Giovine, Franco
;    APPLICANT:  Barnes, Peter
;    APPLICANT:  Linn, Samson
;    TITLE OF INVENTION:  Prediction of Risk of Chronic
;    TITLE OF INVENTION:  Obstructive Airway Disease
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jenkens & Gilchrist
;      STREET:  1100 Louisiana, Suite 1800
;      CITY:  Houston
;      STATE:  TX
;      COUNTRY:  USA
;      ZIP:  77002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/005,923
;      FILING DATE:  12-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB9723553.5
;      FILING DATE:  10-NOV-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Turley, Charles P
;      REGISTRATION NUMBER:  35,723
;      REFERENCE/DOCKET NUMBER:  33174.47
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (713)9513310
;      TELEFAX:  (713)9513314
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-005-923-8

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 24;
  Best Local Similarity   89.5%;  Pred. No. 1.7e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2444 CTTTTTTGAGACATGGGAT 2462
              ||| ||||| |||||||||
Db         19 CTTCTTTGACACATGGGAT 1


RESULT 979
US-09-356-806-82/c
; Sequence 82, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
;  APPLICANT: Penny, Laura
;  APPLICANT: Galvin, Margaret
;  APPLICANT: Miller, Andrew
;  APPLICANT: Reidy, Michael
;  TITLE OF INVENTION: Genotyping Human
;  TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
;  TITLE OF INVENTION: 2B15 (UGT2B15) Genes
;  FILE REFERENCE: SEQ-22PRV2
;  CURRENT APPLICATION NUMBER: US/09/356,806
;  CURRENT FILING DATE: 1999-07-20
;  NUMBER OF SEQ ID NOS: 164
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 82
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-356-806-82

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 24;
  Best Local Similarity   89.5%;  Pred. No. 1.7e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTTTT 2171
              ||||||||| || ||||||
Db         19 GATTTTTTTTTCTTTTTTT 1


RESULT 980
US-08-161-281A-10/c
; Sequence 10, Application US/08161281A
; Patent No. 5639595
;  GENERAL INFORMATION:
;    APPLICANT:  Mirabelli, Christopher K., Vickers, Timothy A., Ecker, David
;    APPLICANT:  J., Robertson, Debra
;    TITLE OF INVENTION:  Identification of No. 5639595el Drugs and Reagents
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn
;      ADDRESSEE:  Kurtz Mackiewicz & No. 5639595ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/161,281A
```

```
;       FILING DATE:  Herewith
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/517,240
;       FILING DATE:  01-MAY-1990
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Rebecca Ralph Gaumond
;       REGISTRATION NUMBER:  35,152
;       REFERENCE/DOCKET NUMBER:  ISIS-0861
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (215) 568-3100
;       TELEFAX:  (215) 568-3439
;   INFORMATION FOR SEQ ID NO:  10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  25
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-161-281A-10

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 25;
  Best Local Similarity   89.5%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2804
              ||||||||||||||||  ||
Db         25 AAAAAAAAAAAAAAAACCAA 7


RESULT 981
US-08-910-632-38/c
; Sequence 38, Application US/08910632B
; Patent No. 6077668
; GENERAL INFORMATION:
;  APPLICANT: KOOL, ERIC T.
;  TITLE OF INVENTION: HIGHLY SENSITIVE MULTIMERIC NUCLEIC ACID PROBES
;  FILE REFERENCE: 220.00010130
;  CURRENT APPLICATION NUMBER: US/08/910,632B
;  CURRENT FILING DATE: 1997-08-13
;  EARLIER APPLICATION NUMBER: 08/805,631
;  EARLIER FILING DATE: 1997-02-26
;  EARLIER APPLICATION NUMBER: 08/393,439
;  EARLIER FILING DATE: 1995-02-23
;  EARLIER APPLICATION NUMBER: 08/047,860
;  EARLIER FILING DATE: 1993-04-15
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
;   LENGTH: 34
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified base
;   LOCATION: 4, 9, 15, 20, 24, 34
;   OTHER INFORMATION: m5c
US-08-910-632-38

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 34;
  Best Local Similarity   89.5%;  Pred. No. 2.5e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2803
              ||||||||||  ||| ||||
Db         34 GAAAAAAAAAGAAAGAAAA 16


RESULT 982
US-08-805-631A-38/c
; Sequence 38, Application US/08805631A
; Patent No. 6096880
;  GENERAL INFORMATION:
;    APPLICANT:  UNIVERSITY OF ROCHESTER
;    TITLE OF INVENTION:  CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;    TITLE OF INVENTION:  DNA
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MUETING, RAASCH & GEBHARDT, P.A.
;      STREET:  119 No. 6096880th Fourth Street, Suite 201
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/805,631A
;      FILING DATE:  26-FEB-97
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/393,439
;      FILING DATE:  23-FEB-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/047,860
;      FILING DATE:  15-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SANDBERG, VICTORIA A.
;      REGISTRATION NUMBER:  41,287
;      REFERENCE/DOCKET NUMBER:  220.00010140
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612-305-1226
;      TELEFAX:  612-305-1228
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  34 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  circular
;    MOLECULE TYPE:  DNA (genomic)
US-08-805-631A-38

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 34;
  Best Local Similarity   89.5%;  Pred. No. 2.5e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2803
              ||||||||||  ||| ||||
Db         34 GAAAAAAAAAGAAAGAAAA 16


RESULT 983
US-09-569-344-38/c
; Sequence 38, Application US/09569344
; Patent No. 6368802
;  GENERAL INFORMATION:
;       APPLICANT: UNIVERSITY OF ROCHESTER
;       TITLE OF INVENTION: CIRCULAR DNA VECTORS FOR SYNTHESIS OF RNA AND
;                           DNA
;       NUMBER OF SEQUENCES: 72
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: MUETING, RAASCH & GEBHARDT, P.A.
;            STREET: 119 No. 6368802th Fourth Street, Suite 201
;            CITY: Minneapolis
;            STATE: Minnesota
;            COUNTRY: USA
;            ZIP: 55401
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/569,344
;            FILING DATE: 11-May-2000
```

```
;             CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/805,631
;             FILING DATE: 26-FEB-97
;             APPLICATION NUMBER: US 08/393,439
;             FILING DATE: 23-FEB-1995
;             APPLICATION NUMBER: US 08/047,860
;             FILING DATE: 15-APR-1993
;       ATTORNEY/AGENT INFORMATION:
;             NAME: SANDBERG, VICTORIA A.
;             REGISTRATION NUMBER: 41,287
;             REFERENCE/DOCKET NUMBER: 220.00010140
;       TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 612-305-1226
;             TELEFAX: 612-305-1228
;   INFORMATION FOR SEQ ID NO: 38:
;       SEQUENCE CHARACTERISTICS:
;             LENGTH: 34 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: circular
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-09-569-344-38

  Query Match             0.6%;  Score 15.8;  DB 1;  Length 34;
  Best Local Similarity   89.5%;  Pred. No. 2.5e+03;
  Matches   17;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2803
                ||||||||||  ||| ||||
Db         34 GAAAAAAAAAGAAAGAAAA 16


RESULT 984
US-08-937-067-17/c
; Sequence 17, Application US/08937067
; Patent No. 6433155
;  GENERAL INFORMATION:
;    APPLICANT:  Umansky, Samuil
;    APPLICANT:  Melkonyan, Hovsep
;    TITLE OF INVENTION:  A FAMILY OF GENES ENCODING
;    TITLE OF INVENTION:  APOPTOSIS-RELATED PEPTIDES; PEPTIDES ENCODED THEREBY AND
;    TITLE OF INVENTION:  METHODS OF USE THEREOF
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/937,067
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lehnhardt, Susan K.
;      REGISTRATION NUMBER:  33,943
;      REFERENCE/DOCKET NUMBER:  23647-20018.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 813-5600
;      TELEFAX:  (650) 494-0792
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-937-067-17

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 6.8e+02;
  Matches   15;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2801
                : |||||||||||||||
Db         17 SNAAAAAAAAAAAAAAA 1


RESULT 985
US-08-450-905B-152/c
; Sequence 152, Application US/08450905B
; Patent No. 5856301
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Stem Cell Inhibiting Proteins
;    NUMBER OF SEQUENCES:  178
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HALE and DORR
;      STREET:  60 State Street
;      CITY:  Boston
;      STATE:  MA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/450,905B
;      FILING DATE:  26-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/982,759
;      FILING DATE:  08-MAR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9127319.3
;      FILING DATE:  23-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9221587.0
;      FILING DATE:  14-OCT-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BAKER, HOLLIE L.
;      REGISTRATION NUMBER:  31,321
;      REFERENCE/DOCKET NUMBER:  102.378.120DV-2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-526-6110
;      TELEFAX:  617-526-5000
;  INFORMATION FOR SEQ ID NO:  152:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22  base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1..22
;      OTHER INFORMATION:  /product= "BB10380 oligomer"
US-08-450-905B-152

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2576 GGCTTGGAAGATTCTATTTAAT 2597
                | |||||||||||||   ||||
Db         22 GACTTGGAAGATTCTGCCTAAT 1


RESULT 986
```

```
US-07-982-759F-152/c
; Sequence 152, Application US/07982759F
; Patent No. 6057123
;  GENERAL INFORMATION:
;    APPLICANT:  CRAIG, Stewart
;    APPLICANT:  GEORGE, Michael
;    APPLICANT:  EDWARDS, Richard Mark
;    APPLICANT:  CZAPLEWSKI, Lloyd George
;    APPLICANT:  GILBERT, Richard
;    TITLE OF INVENTION:  Stem Cell Inhibiting Proteins
;    NUMBER OF SEQUENCES:  178
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HALE and DORR LLP
;      STREET:  60 State Street
;      CITY:  Boston
;      STATE:  MA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/982,759F
;      FILING DATE:  08-MAR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9127319.3
;      FILING DATE:  23-DEC-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9221587.0
;      FILING DATE:  14-OCT-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BAKER, HOLLIE L.
;      REGISTRATION NUMBER:  31,321
;      REFERENCE/DOCKET NUMBER:  102378.120
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-526-6000
;      TELEFAX:  617-526-5000
;  INFORMATION FOR SEQ ID NO:  152:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22  base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1..22
;      OTHER INFORMATION:  /product= "BB10380 oligomer"
US-07-982-759F-152

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2576 GGCTTGGAAGATTCTATTTAAT 2597
                | ||||||||||||||   ||||
Db         22 GACTTGGAAGATTCTGCCTAAT 1


RESULT 987
US-09-120-887-9
; Sequence 9, Application US/09120887
; Patent No. 6107022
; GENERAL INFORMATION:
;  APPLICANT: SUDA, Narushi
;  APPLICANT: TATSUJI, Hataya
;  TITLE OF INVENTION: HOP MOSAIC VIRUS GENE AND METHODS FOR DETECTING HOP
;  TITLE OF INVENTION: MOSAIC VIRUS
;  FILE REFERENCE: 1959-0007-0
;  CURRENT APPLICATION NUMBER: US/09/120,887
;  CURRENT FILING DATE: 1998-07-23
;  EARLIER APPLICATION NUMBER: JP 9-212568
;  EARLIER FILING DATE: 1997-07-23
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
US-09-120-887-9

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1282 CCATGGGACCAGCAGGCTCGCC 1303
                | |||| ||| |||||| ||||
Db          1 CGATGGTACCTGCAGGCGCGCC 22


RESULT 988
US-08-943-731-222/c
; Sequence 222, Application US/08943731
; Patent No. 6265157
;  GENERAL INFORMATION:
;    APPLICANT:  PROCKOP, DARWIN J.
;    APPLICANT:  SPOTILA, LORETTA D.
;    APPLICANT:  DELTAS, CONSTANTINOS D.
;    APPLICANT:  SEREDA, LARISA
;    APPLICANT:  LARSON, ANDREA W.
;    APPLICANT:  PACK, MICHAEL
;    APPLICANT:  COLIGE, ALAIN
;    APPLICANT:  EARLY, JAMES
;    APPLICANT:  KORKKO, JARMO
;    APPLICANT:  ALA-KOKKO, LEENA, et al.
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR DETECTING
;    TITLE OF INVENTION:  ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES
;    NUMBER OF SEQUENCES:  666
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PANITCH SCHWARZE JACOBS & NADEL, P.C.
;      STREET:  ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND
;      STREET:  FLR.
;      CITY:  PHILADELPHIA
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-7086
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/943,731
;      FILING DATE:  03-OCT-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/212,322
;      FILING DATE:  14-MAR-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/803,628
;      FILING DATE:  03-DEC-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DOYLE LEARY Ph.D., KATHRYN
;      REGISTRATION NUMBER:  36,317
;      REFERENCE/DOCKET NUMBER:  9598-27
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-965-1284
;      TELEFAX:  215-567-2991
;      TELEX:  831-494
;  INFORMATION FOR SEQ ID NO:  222:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
```

```
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-943-731-222

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        224 GACGGGAGCAGCAATGGGAATC 245
              ||||||||||||| | | || |
Db         22 GACGGGAGCAGCATTAGCAAAC 1


RESULT 989
US-09-479-128-15
; Sequence 15, Application US/09479128
; Patent No. 6319710
; GENERAL INFORMATION:
;  APPLICANT:  Berglind Ran Olafsdottir
;  APPLICANT:  Jeffrey Gulcher
;  TITLE OF INVENTION:  HUMAN NARCOLEPSY GENE
;  FILE REFERENCE:  2345.1005-001
;  CURRENT APPLICATION NUMBER: US/09/479,128
;  CURRENT FILING DATE:  2000-01-07
;  PRIOR APPLICATION NUMBER:  US 09/379,083
;  PRIOR FILING DATE:  1999-08-23
;  NUMBER OF SEQ ID NOS:  22
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: nucleic acid primers based on human mRNA sequence
US-09-479-128-15

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 22;
  Best Local Similarity   81.8%;  Pred. No. 1.5e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1006 GAAGTTGGACAAGATCGGGTTG 1027
              ||||||| | | ||| ||||||
Db          1 GAAGTTGTAGATGATGGGGTTG 22


RESULT 990
US-08-331-398A-16
; Sequence 16, Application US/08331398A
; Patent No. 5608039
;  GENERAL INFORMATION:
;    APPLICANT:  Pastan, Ira
;    APPLICANT:  Willingham, Mark
;    APPLICANT:  FitzGerald, David
;    APPLICANT:  Brinkmann, Ulrich
;    APPLICANT:  Pai, Lee
;    TITLE OF INVENTION:  Single Chain B3 Antibody Fusion Proteins
;    TITLE OF INVENTION:  and Their Uses (as amended)
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew
;      STREET:  One Market Plaza, Steuart Street Plaza
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/331,398A
;      FILING DATE:  28-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/767,331
;      FILING DATE:  30-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/596,289
;      FILING DATE:  12-OCT-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunter, Tom
;      REGISTRATION NUMBER:  38,498
;      REFERENCE/DOCKET NUMBER:  015280-126110US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 543-9600
;      TELEFAX:  (415) 543-5043
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..23
;      OTHER INFORMATION:  /note= "B5LFr4 Light chain PCR primer"
US-08-331-398A-16

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 23;
  Best Local Similarity   81.8%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2250 GAAGCTTTATTTGCATATTTAT 2271
              ||||||||||||  |||  |
Db          2 GAAGCTTTATTTCCAACTTTGT 23


RESULT 991
US-08-331-397B-16
; Sequence 16, Application US/08331397B
; Patent No. 5981726
;  GENERAL INFORMATION:
;    APPLICANT:  Pastan, Ira
;    APPLICANT:  Benhar, Itai
;    TITLE OF INVENTION:  Chimeric and Mutationally Stabilized Tumor-
;    TITLE OF INVENTION:  Specific Antibody Fragments, Fusion Proteins, and Uses
;    TITLE OF INVENTION:  Thereof
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew
;      STREET:  One Market Plaza, Steuart Street Plaza
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/331,397B
;      FILING DATE:  28-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/767,331
;      FILING DATE:  30-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/596,289
;      FILING DATE:  12-OCT-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunter, Tom
;      REGISTRATION NUMBER:  38,498
```

```
;      REFERENCE/DOCKET NUMBER:  015280-126120US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 543-9600
;      TELEFAX:  (415) 543-5043
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..23
;      OTHER INFORMATION:  /note= "B5LFr4 Light chain PCR primer"
US-08-331-397B-16

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 23;
  Best Local Similarity   81.8%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2250 GAAGCTTTATTTGCATATTTAT 2271
              ||||||||||| ||  ||| |
Db          2 GAAGCTTTATTTCCAACTTTGT 23


RESULT 992
US-08-759-804A-16
; Sequence 16, Application US/08759804A
; Patent No. 5990296
;  GENERAL INFORMATION:
;    APPLICANT:  Pastan, Ira
;    APPLICANT:  Willingham, Mark
;    APPLICANT:  FitzGerald, David J.
;    APPLICANT:  Brinkmann, Ulrich
;    APPLICANT:  Pai, Lee
;    TITLE OF INVENTION:  Tumor-Specific Antibody Fragments,
;    TITLE OF INVENTION:  Fusion Proteins, and Uses Thereof
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/759,804A
;      FILING DATE:  03-DEC-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/331,398
;      FILING DATE:  28-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/767,331
;      FILING DATE:  30-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/596,289
;      FILING DATE:  12-OCT-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weber, Ellen L.
;      REGISTRATION NUMBER:  32,762
;      REFERENCE/DOCKET NUMBER:  015280-126140US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..23
;      OTHER INFORMATION:  /note= "B5LFr4 Light chain PCR primer"
US-08-759-804A-16

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 23;
  Best Local Similarity   81.8%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2250 GAAGCTTTATTTGCATATTTAT 2271
              ||||||||||| ||  ||| |
Db          2 GAAGCTTTATTTCCAACTTTGT 23


RESULT 993
US-09-227-693-16
; Sequence 16, Application US/09227693
; Patent No. 6287562
;  GENERAL INFORMATION:
;    APPLICANT:  PASTAN, Ira
;    APPLICANT:  BENHAR, Itai
;    APPLICANT:  PADLAN, Eduardo A.
;    APPLICANT:  JUNG, Sun-Hee
;    APPLICANT:  LEE, Byungkook
;    TITLE OF INVENTION:  HUMANIZED TUMOR-SPECIFIC ANTIBODY
;    TITLE OF INVENTION:  FRAGMENTS, FUSION PROTEINS, AND USES THEREOF
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  Steuart Street Tower, One Market Plaza
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  94105-1493
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/227,693
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/331,396
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/767,331
;      FILING DATE:  30-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/596,289
;      FILING DATE:  12-OCT-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weber, Ellen Lauver
;      REGISTRATION NUMBER:  32,762
;      REFERENCE/DOCKET NUMBER:  15280-126-1-3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 543-9600
;      TELEFAX:  (415) 543-5043
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (primer)
;    FEATURE:
;      NAME/KEY:  misc_feature
```

```
;      LOCATION:  1..23
;      OTHER INFORMATION:  /standard_name= "Light chain
;      OTHER INFORMATION:  primer"
US-09-227-693-16

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 23;
  Best Local Similarity   81.8%;  Pred. No. 1.7e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2250 GAAGCTTTATTTGCATATTTAT 2271
              ||||||||||||  ||  ||| |
Db          2 GAAGCTTTATTTCCAACTTTGT 23


RESULT 994
US-09-244-794A-10
; Sequence 10, Application US/09244794A
; Patent No. 6214553
; GENERAL INFORMATION:
;  APPLICANT:  Szostak, Jack W.
;  APPLICANT:  Roberts, Richard W.
;  APPLICANT:  Liu, Rihe
;  TITLE OF INVENTION:  SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION:  FUSIONS
;  FILE REFERENCE:  00786/350006
;  CURRENT APPLICATION NUMBER: US/09/244,794A
;  CURRENT FILING DATE:  1999-02-05
;  PRIOR APPLICATION NUMBER:  60/035,963
;  PRIOR FILING DATE:  1997-01-27
;  PRIOR APPLICATION NUMBER:  60/064,491
;  PRIOR FILING DATE:  1997-11-06
;  PRIOR APPLICATION NUMBER:  09/007,005
;  PRIOR FILING DATE:  1998-01-14
;  NUMBER OF SEQ ID NOS:  33
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-794A-10

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTT 2183
              | |  ||||| ||||||||||
Db          1 CGCGGTTTTTATTTTTTTTTT 22


RESULT 995
US-09-007-005-10
; Sequence 10, Application US/09007005B
; Patent No. 6258558
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350003
;  CURRENT APPLICATION NUMBER: US/09/007,005B
;  CURRENT FILING DATE: 1998-01-14
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-007-005-10

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTT 2183
              | |  ||||| ||||||||||
Db          1 CGCGGTTTTTATTTTTTTTTT 22


RESULT 996
US-09-247-190-10
; Sequence 10, Application US/09247190
; Patent No. 6261804
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350005
;  CURRENT APPLICATION NUMBER: US/09/247,190
;  CURRENT FILING DATE: 1999-02-09
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-21
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 38
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-247-190-10

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTT 2183
              | |  ||||| ||||||||||
Db          1 CGCGGTTTTTATTTTTTTTTT 22


RESULT 997
US-09-244-796-10
; Sequence 10, Application US/09244796
; Patent No. 6281344
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350007
;  CURRENT APPLICATION NUMBER: US/09/244,796
;  CURRENT FILING DATE: 1999-02-05
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
```

```
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-244-796-10

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTT 2183
                | |  ||||| ||||||||||
Db          1 CGCGGTTTTTATTTTTTTTTT 22


RESULT 998
US-09-238-710-10
; Sequence 10, Application US/09238710A
; Patent No. 6518018
; GENERAL INFORMATION:
;  APPLICANT: Szostak, Jack W.
;  APPLICANT: Roberts, Richard W.
;  APPLICANT: Liu, Rihe
;  TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
;  TITLE OF INVENTION: FUSIONS
;  FILE REFERENCE: 00786/350004
;  CURRENT APPLICATION NUMBER: US/09/238,710A
;  CURRENT FILING DATE: 1999-01-28
;  EARLIER APPLICATION NUMBER: 60/035,963
;  EARLIER FILING DATE: 1997-01-27
;  EARLIER APPLICATION NUMBER: 60/064,491
;  EARLIER FILING DATE: 1997-11-06
;  EARLIER APPLICATION NUMBER: 09/007,005
;  EARLIER FILING DATE: 1998-01-14
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Translation template
US-09-238-710-10

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTTTT 2183
                | |  ||||| ||||||||||
Db          1 CGCGGTTTTTATTTTTTTTTT 22


RESULT 999
US-08-242-402-13/c
; Sequence 13, Application US/08242402
; Patent No. 5580967
;  GENERAL INFORMATION:
;    APPLICANT:  JOYCE, GERALD F
;    TITLE OF INVENTION:  OPTIMIZED CATALYTIC DNA-CLEAVING
;    TITLE OF INVENTION:  RIBOZYMES
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  THE SCRIPPS RESEARCH INSTITUTE, OFFICE OF
;      ADDRESSEE:  PATENT COUNSEL
;      STREET:  10666 NORTH TORREY PINES ROAD, TPC 8
;      CITY:  LA JOLLA
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/242,402
;      FILING DATE:  13-MAY-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  LOGAN, APRIL C
;      REGISTRATION NUMBER:  33,950
;      REFERENCE/DOCKET NUMBER:  TSRI 412.0
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-554-2937
;      TELEFAX:  619-554-6312
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-242-402-13

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2519 TTTTATTCATATATATACAGGG 2540
                |||||||  ||  |||  ||  ||||
Db         24 TTTTATTTATTTATTTAGAGGG 3


RESULT 1000
US-08-682-423-26/c
; Sequence 26, Application US/08682423
; Patent No. 6063566
;  GENERAL INFORMATION:
;    APPLICANT:  Joyce, Gerald F.
;    TITLE OF INVENTION:  NOVEL CATALYTIC RNA MOLECULES
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  The Scripps Research Institute, Office of
;      ADDRESSEE:  Patent Counsel
;      STREET:  10666 No. 6063566th Torrey Pines Road, TPC-8
;      CITY:  La Jolla
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/682,423
;      FILING DATE:  17-JUL-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/242,402
;      FILING DATE:  13-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/270,180
;      FILING DATE:  01-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Logan, April C.
;      REGISTRATION NUMBER:  33,950
;      REFERENCE/DOCKET NUMBER:  TSRI 412.2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-554-2937
;      TELEFAX:  619-554-6312
;  INFORMATION FOR SEQ ID NO:  26:
```

```
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-682-423-26

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2519 TTTTATTCATATATATACAGGG 2540
              ||||||| || ||| || ||||
Db         24 TTTTATTTATTTATTTAGAGGG 3


RESULT 1001
PCT-US95-05141-26/c
; Sequence 26, Application PC/TUS9505141
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  NOVEL ENZYMATIC RNA MOLECULES
;    NUMBER OF SEQUENCES:  29
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/05141
;      FILING DATE:  26-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/242,402
;      FILING DATE:  13-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/270,180
;      FILING DATE:  01-JUL-1994
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
PCT-US95-05141-26

  Query Match             0.6%;  Score 15.6;  DB 1;  Length 24;
  Best Local Similarity   81.8%;  Pred. No. 1.9e+03;
  Matches   18;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2519 TTTTATTCATATATATACAGGG 2540
              ||||||| || ||| || ||||
Db         24 TTTTATTTATTTATTTAGAGGG 3


RESULT 1002
US-08-584-040-2546
; Sequence 2546, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2546:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2546

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 7.5e+02;
  Matches    2;  Conservative   14;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTT 2177
              :|: |::::::::::::
Db          1 UCUACUUUUUUUUUUU 17


RESULT 1003
US-08-584-040-2547
; Sequence 2547, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2547:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2547

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 7.5e+02;
  Matches    2;  Conservative   14;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTT 2178
              |: |:::::::::::::
Db          1 CUACUUUUUUUUUUUUU 17


RESULT 1004
US-08-584-040-2548
; Sequence 2548, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2548:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2548

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 7.5e+02;
  Matches    1;  Conservative   15;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTT 2179
              : |:::::::::::::::
Db          1 UACUUUUUUUUUUUUU 17


RESULT 1005
US-08-584-040-2553/c
; Sequence 2553, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2553:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2553

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
```

```
  Best Local Similarity   94.1%;  Pred. No. 7.5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAAA 2799
                | ||||||||||||||||
Db         17 TGGAAAAAAAAAAAAAA 1


RESULT 1006
US-08-584-040-2554/c
; Sequence 2554, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2554:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2554

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 7.5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAAA 2799
                |||||||||||||||
Db         17 TTGGAAAAAAAAAAAAA 1


RESULT 1007
US-09-371-772B-1070
; Sequence 1070, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1070
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1070

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 7.5e+02;
  Matches    2;  Conservative   14;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTT 2177
                :|: |::::::::::::
Db          1 UCUACUUUUUUUUUUU 17


RESULT 1008
US-09-371-772B-1071
; Sequence 1071, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1071
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1071

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 7.5e+02;
  Matches    2;  Conservative   14;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTT 2178
                |: |::::::::::::
Db          1 CUACUUUUUUUUUUUU 17


RESULT 1009
US-09-371-772B-1072
; Sequence 1072, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
```

```
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1072
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1072

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 7.5e+02;
  Matches    1;  Conservative   15;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTTT 2179
              : |:::::::::::::::
Db          1 UACUUUUUUUUUUUUUU 17


RESULT 1010
US-09-371-772B-1077/c
; Sequence 1077, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1077
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1077

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 7.5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAAA 2799
              | |||||||||||||||
Db         17 TGGAAAAAAAAAAAAAA 1


RESULT 1011
US-09-371-772B-1078/c
; Sequence 1078, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1078
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1078

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 17;
  Best Local Similarity   94.1%;  Pred. No. 7.5e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAAA 2799
              |||  |||||||||||||
Db         17 TTGGAAAAAAAAAAAAA 1


RESULT 1012
US-08-857-946-14
; Sequence 14, Application US/08857946
; Patent No. 5994075
;  GENERAL INFORMATION:
;    APPLICANT:  Goodfellow, P.N.
;    TITLE OF INVENTION:  METHODS FOR IDENTIFYING A MUTATION IN A
;    TITLE OF INVENTION:  GENE OF INTEREST
;    NUMBER OF SEQUENCES:  162
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Inc.
;      STREET:  75 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109-1807
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/857,946
;      FILING DATE:  16-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/60/017,824
;      FILING DATE:  17-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kathleen M. Williams
;      REGISTRATION NUMBER:  34,380
;      REFERENCE/DOCKET NUMBER:  3529/05573
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-345-9100
;      TELEFAX:  617-345-9111
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-857-946-14
```

```
  Query Match             0.5%;  Score 15.4;  DB 1;  Length 18;
  Best Local Similarity   94.1%;  Pred. No. 9e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              ||||||| |||||||||
Db          1 GCGGCGGCGGCGGCGGC 17


RESULT 1013
US-08-970-740-14
; Sequence 14, Application US/08970740
; Patent No. 6015670
;  GENERAL INFORMATION:
;    APPLICANT:  Goodfellow, P.N.
;    TITLE OF INVENTION:  METHODS FOR IDENTIFYING A MUTATION IN A
;    TITLE OF INVENTION:  GENE OF INTEREST
;    NUMBER OF SEQUENCES:  162
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Inc.
;      STREET:  28 State Street, 28th Floor
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/970,740
;      FILING DATE:  14-NOV-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/857,946
;      FILING DATE:  16-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/017,824
;      FILING DATE:  17-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kathleen M. Williams
;      REGISTRATION NUMBER:  34,380
;      REFERENCE/DOCKET NUMBER:  3529/59829
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-227-7111
;      TELEFAX:  617-227-4399
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-970-740-14

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 18;
  Best Local Similarity   94.1%;  Pred. No. 9e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              ||||||| |||||||||
Db          1 GCGGCGGCGGCGGCGGC 17


RESULT 1014
PCT-US91-03680-73
; Sequence 73, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  73:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  5
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
PCT-US91-03680-73

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 18;
  Best Local Similarity   94.1%;  Pred. No. 9e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              |||| ||||||||||||
Db          1 TTTTCTTTTTTTTTTT 17


RESULT 1015
PCT-US91-03680-73/c
; Sequence 73, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US91/03680
;       FILING DATE:  19910524
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Murashige, Kate H.
;       REGISTRATION NUMBER:  29,959
;       REFERENCE/DOCKET NUMBER:  4610-0011.40
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415-327-7250
;       TELEFAX:  415-327-2951
;       TELEX:  706141
;   INFORMATION FOR SEQ ID NO:  73:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  5
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "5-methylcytosine"
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  18
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
PCT-US91-03680-73

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 18;
  Best Local Similarity   94.1%;  Pred. No. 9e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
                ||||||||||||  ||||
Db         17 AAAAAAAAAAAAGAAAA 1


RESULT 1016
PCT-US91-03680-74
; Sequence 74, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  74:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  5
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
PCT-US91-03680-74

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 18;
  Best Local Similarity   94.1%;  Pred. No. 9e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
                ||||  ||||||||||||
Db          1 TTTTMTTTTTTTTTTT 17


RESULT 1017
PCT-US91-03680-74/c
; Sequence 74, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  74:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  5
;      OTHER INFORMATION:  /mod_base= OTHER
```

```
;       OTHER INFORMATION:
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  18
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
PCT-US91-03680-74

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 18;
  Best Local Similarity   94.1%;  Pred. No. 9e+02;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
                ||||||||||||| ||||
Db         17 AAAAAAAAAAAAKAAAA 1


RESULT 1018
US-08-275-951-49/c
; Sequence 49, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Kiely, John
;  APPLICANT:  Griffin, Michael
;  APPLICANT:  Coull, James M.
;  APPLICANT:  Neilsen, Peter
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Dueholm, Kim L.
;  APPLICANT:  Christensen, Leif
;  TITLE OF INVENTION:  Linked Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1577
;  CURRENT APPLICATION NUMBER: US/08/275,951
;  CURRENT FILING DATE:  1994-07-15
;  PRIOR APPLICATION NUMBER:  08/108,591
;  PRIOR FILING DATE:  1993-11-22
;  PRIOR APPLICATION NUMBER:  08/088,658
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/088,661
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-22
;  PRIOR APPLICATION NUMBER:  986/91
;  PRIOR FILING DATE:  1991-05-22
;  PRIOR APPLICATION NUMBER:  987/91
;  PRIOR FILING DATE:  1991-05-24
;  PRIOR APPLICATION NUMBER:  510/92
;  PRIOR FILING DATE:  1991-04-15
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (10)..(11)
;   OTHER INFORMATION: Ethylene Glycol, Ethylene Glycol, Ethylene Glycol
;   OTHER INFORMATION: Linkage
;   NAME/KEY: misc_feature
;   LOCATION: (13)
;   OTHER INFORMATION: N is Pseudoisocytosine
;   NAME/KEY: misc_feature
;   LOCATION: (20)
;   OTHER INFORMATION: N is Pseudoiscytosine
US-08-275-951-49

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2803
                ||||||| |||| ||||||
Db         19 AAAAAANAAAAGAAAAAA 2


RESULT 1019
US-08-715-461-3/c
; Sequence 3, Application US/08715461
; Patent No. 5985556
;  GENERAL INFORMATION:
;    APPLICANT:  KAMBARA, Hideki
;    APPLICANT:  OKANO, Kazunori
;    TITLE OF INVENTION:  DNA SEQUENCING METHOD AND DNA SAMPLE
;    TITLE OF INVENTION:  PREPARATION METHOD
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ANTONELLI, TERRY STOUT & KRAUS
;      STREET:  1300 No. 5985556th Seventeenth Street, Suite 1800
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22209
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/715,461
;      FILING DATE:  18-SEP-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  TERRY, David T.
;      REGISTRATION NUMBER:  20,178
;      REFERENCE/DOCKET NUMBER:  500.34872X00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-312-6600
;      TELEFAX:  703-312-6666
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-715-461-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAA 2800
                || |||||||||||||
Db         17 TGCAAAAAAAAAAAAAA 1


RESULT 1020
US-08-715-461-4/c
; Sequence 4, Application US/08715461
; Patent No. 5985556
;  GENERAL INFORMATION:
;    APPLICANT:  KAMBARA, Hideki
;    APPLICANT:  OKANO, Kazunori
;    TITLE OF INVENTION:  DNA SEQUENCING METHOD AND DNA SAMPLE
;    TITLE OF INVENTION:  PREPARATION METHOD
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ANTONELLI, TERRY STOUT & KRAUS
;      STREET:  1300 No. 5985556th Seventeenth Street, Suite 1800
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
```

```
;      ZIP:  22209
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/715,461
;      FILING DATE:  18-SEP-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  TERRY, David T.
;      REGISTRATION NUMBER:  20,178
;      REFERENCE/DOCKET NUMBER:  500.34872X00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-312-6600
;      TELEFAX:  703-312-6666
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-715-461-4

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 20;
  Best Local Similarity   94.1%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAA 2800
              || ||||||||||||||
Db         17 TGCAAAAAAAAAAAAAA 1


RESULT 1021
US-08-475-845-3/c
; Sequence 3, Application US/08475845
; Patent No. 5788965
;  GENERAL INFORMATION:
;    APPLICANT:  Berkner, Kathleen L.
;    APPLICANT:  Petersen, Lars C.
;    APPLICANT:  Hart, Charles E.
;    APPLICANT:  Hedner, Ulla
;    APPLICANT:  Bregengaard, Claus
;    TITLE OF INVENTION:  Modified Factor VII
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  One Market Plaza, Steuart Street Tower
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/475,845
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/327,690
;      FILING DATE:  24-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/065,725
;      FILING DATE:  21-MAY-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/662,920
;      FILING DATE:  28-FEB-1991
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parmelee, Steven W.
;      REGISTRATION NUMBER:  31,990
;      REFERENCE/DOCKET NUMBER:  13952-8-4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-467-9600
;      TELEFAX:  415-543-5043
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-08-475-845-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       150 GGGGGACGCCGGACGCC 166
             ||||||||||||| |||
Db        19 GGGGGACGCCGGAGGCC 3


RESULT 1022
US-08-327-690-3/c
; Sequence 3, Application US/08327690
; Patent No. 5817788
;  GENERAL INFORMATION:
;    APPLICANT:  Berkner, Kathleen L.
;    APPLICANT:  Petersen, Lars C.
;    APPLICANT:  Hart, Charles E.
;    APPLICANT:  Hedner, Ulla
;    APPLICANT:  Bregengaard, Claus
;    TITLE OF INVENTION:  Modified Factor VII
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  One Market Plaza, Steuart Street Tower
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/327,690
;      FILING DATE:  24-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/065,725
;      FILING DATE:  21-MAY-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/662,920
;      FILING DATE:  28-FEB-1991
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parmelee, Steven W.
;      REGISTRATION NUMBER:  31,990
;      REFERENCE/DOCKET NUMBER:  13952-8-3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-467-9600
```

```
;      TELEFAX:  415-543-5043
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-08-327-690-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1023
US-08-660-289-3/c
; Sequence 3, Application US/08660289
; Patent No. 5833982
;  GENERAL INFORMATION:
;    APPLICANT:  Berkner, Kathleen L.
;    APPLICANT:  Petersen, Lars C.
;    APPLICANT:  Hart, Charles E.
;    APPLICANT:  Hedner, Ulla
;    APPLICANT:  Bregengaard, Claus
;    TITLE OF INVENTION:  Modified Factor VII
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  One Market Plaza, Steuart Street Tower
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/660,289
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/475,845
;      FILING DATE:  07-JUN-1995
;      APPLICATION NUMBER:  08/327,690
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/065,725
;      FILING DATE:  21-MAY-1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/662,920
;      FILING DATE:  28-FEB-1991
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parmelee, Steven W.
;      REGISTRATION NUMBER:  31,990
;      REFERENCE/DOCKET NUMBER:  13952-8-4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-467-9600
;      TELEFAX:  415-543-5043
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-08-660-289-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1024
US-08-537-807-3/c
; Sequence 3, Application US/08537807
; Patent No. 5861374
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Modified Factor VII
;    NUMBER OF SEQUENCES:  4
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/537,807
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05779
;      FILING DATE:  23-MAY-1994
;      APPLICATION NUMBER:  US 08/065,725
;      FILING DATE:  21-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/662,920
;      FILING DATE:  28-FEB-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parmelee, Steven W.
;      REGISTRATION NUMBER:  31,990
;      REFERENCE/DOCKET NUMBER:  13952-8-1PC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-467-9600
;      TELEFAX:  415-543-5043
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-08-537-807-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1025
US-08-871-003-3/c
; Sequence 3, Application US/08871003
; Patent No. 5997864
;  GENERAL INFORMATION:
```

```
;    APPLICANT:  Hart, Charles E.
;    APPLICANT:  Petersen, Lars C.
;    APPLICANT:  Hedner, Ulla
;    APPLICANT:  Rasmussen, Mirella E.
;    TITLE OF INVENTION:  Modified Factor VII
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ZymoGenetics, Inc.
;      STREET:  1201 Eastlake Avenue East
;      CITY:  Seattle
;      STATE:  WA
;      COUNTRY:  USA
;      ZIP:  98102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/871,003
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sawislak, Deborah A
;      REGISTRATION NUMBER:  37,438
;      REFERENCE/DOCKET NUMBER:  90-07C7
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-08-871-003-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1026
US-08-464-233-3/c
; Sequence 3, Application US/08464233
; Patent No. 6039944
;  GENERAL INFORMATION:
;    APPLICANT:  Berkner, Kathleen L.
;    APPLICANT:  Petersen, Lars C.
;    APPLICANT:  Hart, Charles E.
;    APPLICANT:  Hedner, Ulla
;    APPLICANT:  Bregengaard, Claus
;    TITLE OF INVENTION:  Modified Factor VII
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  One Market Plaza, Steuart Street Tower
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/464,233
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/327,690
;      FILING DATE:  24-OCT-1994
;      APPLICATION NUMBER:  08/065,725
;      FILING DATE:  21-MAY-1993
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/662,920
;      FILING DATE:  28-FEB-1991
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parmelee, Steven W.
;      REGISTRATION NUMBER:  31,990
;      REFERENCE/DOCKET NUMBER:  13952-8-3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-467-9600
;      TELEFAX:  415-543-5043
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-08-464-233-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1027
US-09-189-607-3/c
; Sequence 3, Application US/09189607
; Patent No. 6168789
;  GENERAL INFORMATION:
;    APPLICANT:  Berkner, Kathleen L.
;    APPLICANT:  Petersen, Lars C.
;    APPLICANT:  Hart, Charles E.
;    APPLICANT:  Hedner, Ulla
;    APPLICANT:  Bregengaard, Claus
;    TITLE OF INVENTION:  Modified Factor VII
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  One Market Plaza, Steuart Street Tower
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  94105-1492
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/189,607
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/660,289
;      FILING DATE:
```

```
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/327,690
;       FILING DATE:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/065,725
;       FILING DATE:  21-MAY-1993
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/662,920
;       FILING DATE:  28-FEB-1991
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Parmelee, Steven W.
;       REGISTRATION NUMBER:  31,990
;       REFERENCE/DOCKET NUMBER:  13952-8-4
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  206-467-9600
;       TELEFAX:  415-543-5043
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  N
;     ANTI-SENSE:  N
US-09-189-607-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1028
US-09-378-907-3/c
; Sequence 3, Application US/09378907
; Patent No. 6183743
;  GENERAL INFORMATION:
;     APPLICANT:  Hart, Charles E.
;     APPLICANT:  Petersen, Lars C.
;     APPLICANT:  Hedner, Ulla
;     APPLICANT:  Rasmussen, Mirella E.
;     TITLE OF INVENTION:  Modified Factor VII
;     NUMBER OF SEQUENCES:  4
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  ZymoGenetics, Inc.
;       STREET:  1201 Eastlake Avenue East
;       CITY:  Seattle
;       STATE:  WA
;       COUNTRY:  USA
;       ZIP:  98102
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.24
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/378,907
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/871,003
;       FILING DATE:
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Sawislak, Deborah A
;       REGISTRATION NUMBER:  37,438
;       REFERENCE/DOCKET NUMBER:  90-07C7
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  N
;     ANTI-SENSE:  N
US-09-378-907-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1029
PCT-US94-05779-3/c
; Sequence 3, Application PC/TUS9405779
;  GENERAL INFORMATION:
;     APPLICANT:
;     TITLE OF INVENTION:  Modified Factor VII
;     NUMBER OF SEQUENCES:  4
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US94/05779
;       FILING DATE:  23-MAY-1994
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/065,725
;       FILING DATE:  21-MAY-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/662,920
;       FILING DATE:  28-FEB-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Parmelee, Steven W.
;       REGISTRATION NUMBER:  31,990
;       REFERENCE/DOCKET NUMBER:  13952-8-1PC
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  206-467-9600
;       TELEFAX:  415-543-5043
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  N
;     ANTI-SENSE:  N
PCT-US94-05779-3

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 21;
  Best Local Similarity   94.1%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        150 GGGGGACGCCGGACGCC 166
              ||||||||||||||| |||
Db         19 GGGGGACGCCGGAGGCC 3


RESULT 1030
US-08-235-180-25
; Sequence 25, Application US/08235180
; Patent No. 5580726
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-25

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 22;
  Best Local Similarity   94.1%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTGA 1783
              ||||||||||||||| |
Db          5 AAGCTTTTTTTTTTTTA 21


RESULT 1031
US-08-235-180-26
; Sequence 26, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-26

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 22;
  Best Local Similarity   94.1%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTGA 1783
              ||||||||||||||| |
Db          5 AAGCTTTTTTTTTTTTA 21


RESULT 1032
US-08-235-180-27
; Sequence 27, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
```

```
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  205/026
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  27:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-235-180-27

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 22;
  Best Local Similarity   94.1%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTGA 1783
              ||||||||||||||| |
Db          5 AAGCTTTTTTTTTTTTA 21


RESULT 1033
US-08-332-420-7
; Sequence 7, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-7

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 22;
  Best Local Similarity   94.1%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTGA 1783
              ||||||||||||||| |
Db          5 AAGCTTTTTTTTTTTTA 21


RESULT 1034
US-08-332-420-8
; Sequence 8, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-8

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 22;
  Best Local Similarity   94.1%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTTGA 1783
              ||||||||||||||| |
Db          5 AAGCTTTTTTTTTTTTA 21


RESULT 1035
US-08-332-420-9
; Sequence 9, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
```

```
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  90017
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;       SOFTWARE:  WordPerfect (Version 5.1)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/332,420
;       FILING DATE:  October 31, 1994
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/235,180
;       FILING DATE:  April 29, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  210/041
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  9:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-332-420-9

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 22;
  Best Local Similarity   94.1%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTGA 1783
              ||||||||||||||| |
Db             5 AAGCTTTTTTTTTTTA 21


RESULT 1036
US-09-356-806-82
; Sequence 82, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
;  APPLICANT: Penny, Laura
;  APPLICANT: Galvin, Margaret
;  APPLICANT: Miller, Andrew
;  APPLICANT: Reidy, Michael
;  TITLE OF INVENTION: Genotyping Human
;  TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
;  TITLE OF INVENTION: 2B15 (UGT2B15) Genes
;  FILE REFERENCE: SEQ-22PRV2
;  CURRENT APPLICATION NUMBER: US/09/356,806
;  CURRENT FILING DATE: 1999-07-20
;  NUMBER OF SEQ ID NOS: 164
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 82
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-356-806-82

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 24;
  Best Local Similarity   94.1%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
              ||||||| |||||||||
Db             1 AAAAAAAGAAAAAAAA 17


RESULT 1037
US-09-750-401-18/c
; Sequence 18, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 29
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-18

  Query Match             0.5%;  Score 15.4;  DB 1;  Length 29;
  Best Local Similarity   76.0%;  Pred. No. 2.6e+03;
  Matches   19;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAA 2803
              ||||   |||||||   ||||||||
Db            25 AGAAAATAAAAAAATTTAAAAAAAA 1


RESULT 1038
US-09-390-324B-2
; Sequence 2, Application US/09390324B
; Patent No. 6342376
; GENERAL INFORMATION:
;  APPLICANT: Kozian, Detlef
;  APPLICANT:  Reuner, Birgit
;  TITLE OF INVENTION: Two-color differential display as a method for
;  TITLE OF INVENTION:  detecting regulated genes
;  FILE REFERENCE: 2481-1635
;  CURRENT APPLICATION NUMBER: US/09/390,324B
;  CURRENT FILING DATE:  1999-09-07
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: (1)..(17)
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: "V=A,C,G; N=A,C,G,T"
US-09-390-324B-2

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 8.2e+02;
  Matches   15;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2172 TTTTTTTTTTTTTTA 2187
              |||||||||||||||:
Db             1 TTTTTTTTTTTTTTTV 16


RESULT 1039
US-09-390-324B-2/c
; Sequence 2, Application US/09390324B
; Patent No. 6342376
; GENERAL INFORMATION:
;  APPLICANT: Kozian, Detlef
```

```
;  APPLICANT:  Reuner, Birgit
;  TITLE OF INVENTION: Two-color differential display as a method for
;  TITLE OF INVENTION:  detecting regulated genes
;  FILE REFERENCE: 2481-1635
;  CURRENT APPLICATION NUMBER: US/09/390,324B
;  CURRENT FILING DATE:  1999-09-07
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: (1)..(17)
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: "V=A,C,G; N=A,C,G,T"
US-09-390-324B-2

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 8.2e+02;
  Matches   15;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2800
              :|||||||||||||||
Db         16 BAAAAAAAAAAAAAA 1


RESULT 1040
US-10-015-593-2
; Sequence 2, Application US/10015593
; Patent No. 6645741
; GENERAL INFORMATION:
;  APPLICANT: Kozian, Detlef
;  APPLICANT:  Reuner, Birgit
;  TITLE OF INVENTION: Two-color differential display as a method for
;  TITLE OF INVENTION:  detecting regulated genes
;  FILE REFERENCE: 2481-1635
;  CURRENT APPLICATION NUMBER: US/10/015,593
;  CURRENT FILING DATE:  2001-12-17
;  PRIOR APPLICATION NUMBER: 09/390,324
;  PRIOR FILING DATE: 2001-05-21
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: (1)..(17)
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: "V=A,C,G; N=A,C,G,T"
US-10-015-593-2

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 8.2e+02;
  Matches   15;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2172 TTTTTTTTTTTTTTA 2187
              |||||||||||||||:
Db          1 TTTTTTTTTTTTTTV 16


RESULT 1041
US-10-015-593-2/c
; Sequence 2, Application US/10015593
; Patent No. 6645741
; GENERAL INFORMATION:
;  APPLICANT: Kozian, Detlef
;  APPLICANT:  Reuner, Birgit
;  TITLE OF INVENTION: Two-color differential display as a method for
;  TITLE OF INVENTION:  detecting regulated genes
;  FILE REFERENCE: 2481-1635
;  CURRENT APPLICATION NUMBER: US/10/015,593
;  CURRENT FILING DATE:  2001-12-17
;  PRIOR APPLICATION NUMBER: 09/390,324
;  PRIOR FILING DATE: 2001-05-21
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: exon
;   LOCATION: (1)..(17)
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: "V=A,C,G; N=A,C,G,T"
US-10-015-593-2

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 8.2e+02;
  Matches   15;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2800
              :|||||||||||||||
Db         16 BAAAAAAAAAAAAAA 1


RESULT 1042
US-08-486-408-14/c
; Sequence 14, Application US/08486408
; Patent No. 5716846
;  GENERAL INFORMATION:
;    APPLICANT:  Brown, Steven Joel
;    APPLICANT:  Dattagupta, Nanibhushan
;    APPLICANT:  Naidu, Yathi M.
;    TITLE OF INVENTION:  METHOD FOR INHIBITING CELLULAR
;    TITLE OF INVENTION:  PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-6
;    TITLE OF INVENTION:  mRNA
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gen-Probe Incorporated
;      STREET:  9880 Campus Point Drive
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,408
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fisher, Carlos A
;      REGISTRATION NUMBER:  36,510
;      REFERENCE/DOCKET NUMBER:  CBI009
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-535-2807
;      TELEFAX:  619-546-7929
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-486-408-14
```

```
  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        451 CACAGGCAGCCAGCAGCAGG 470
              | |||| |||| ||||||||
Db         20 CTCAGGAAGCCGGCAGCAGG 1


RESULT 1043
US-08-975-570-14/c
; Sequence 14, Application US/08975570
; Patent No. 5945336
;  GENERAL INFORMATION:
;    APPLICANT:  Brown, Steven Joel
;    APPLICANT:  Dattagupta, Nanibhushan
;    APPLICANT:  Naidu, Yathi M.
;    TITLE OF INVENTION:  METHOD FOR INHIBITING CELLULAR
;    TITLE OF INVENTION:  PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
;    TITLE OF INVENTION:  mRNA
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gen-Probe Incorporated
;      STREET:  9880 Campus Point Drive
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/975,570
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/486,408
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fisher, Carlos A
;      REGISTRATION NUMBER:  36,510
;      REFERENCE/DOCKET NUMBER:  CBI009
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-535-2807
;      TELEFAX:  619-546-7929
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-975-570-14

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        451 CACAGGCAGCCAGCAGCAGG 470
              | |||| |||| ||||||||
Db         20 CTCAGGAAGCCGGCAGCAGG 1


RESULT 1044
US-08-777-266A-34/c
; Sequence 34, Application US/08777266A
; Patent No. 6077833
;  GENERAL INFORMATION:
;    APPLICANT:  Clarence Frank Bennett
;    APPLICANT:  Timothy A. Vickers
;    TITLE OF INVENTION:  Oligonucleotide Compositions and
;    TITLE OF INVENTION:  Methods for the Modulation of the Expression of B7 Proteins
;    NUMBER OF SEQUENCES:  125
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/777,266A
;      FILING DATE:  December 31, 1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0201
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-777-266A-34

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        541 GCCCCACCTCTCCGGGCTGG 560
              ||| |||||||||| || |||
Db         20 GCCTCACCTCTCCTGGTTGG 1


RESULT 1045
US-08-765-340-10/c
; Sequence 10, Application US/08765340
; Patent No. 6150092
;  GENERAL INFORMATION:
;    APPLICANT:  UCHIDA, K.,
;    APPLICANT:  UCHIDA, T.,
;    APPLICANT:  TANAKA, Y.,
;    APPLICANT:  MATSUDA, Y.,
;    APPLICANT:  KONDO, S.
;    TITLE OF INVENTION:  AN ANTISENSE NUCLEIC ACID
;    TITLE OF INVENTION:  COMPOUND
;    NUMBER OF SEQUENCES:  185
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30 (EPO)
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/765,340
;      FILING DATE:  23-DEC-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 145146/94
;      FILING DATE:  27-JUN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 311130/94
;      FILING DATE:  21-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SERUNIAN, LESLIE
;      REGISTRATION NUMBER:  35,353
;      REFERENCE/DOCKET NUMBER:  1452-4005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA"
US-08-765-340-10

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2185
              ||| || ||||| |||||||
Db         20 TTTGTTGTTTTTGTTTTTTT 1


RESULT 1046
US-09-280-805-89
; Sequence 89, Application US/09280805
; Patent No. 6184212
;  GENERAL INFORMATION:
;    APPLICANT:  Loren J. Miraglia, Pamela Nero, Mark J.
;    APPLICANT:  Graham, Brett P. Monia
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF HUMAN MDM2
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  271
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  U.S.A.
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PC
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/280,805
;      FILING DATE:  herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/048,810
;      FILING DATE:  March 26, 1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Licata, Jane Massey
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0346
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  609-810-1515
;      TELEFAX:  609-810-1454
;  INFORMATION FOR SEQ ID NO:  89:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-280-805-89

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2313 CAATTTGTTGCTGCTTGTCA 2332
              |||| ||||| ||||| |||
Db          1 CAATATGTTGTTGCTTCTCA 20


RESULT 1047
US-09-101-886B-15
; Sequence 15, Application US/09101886B
; Patent No. 6197507
;  GENERAL INFORMATION:
;    APPLICANT:  BERG, THOMAS
;    APPLICANT:  TOLLERSRUD, OLE K
;    APPLICANT:  NILSSEN, OIVIND
;    TITLE OF INVENTION:  GENETIC TEST FOR ALPHA-MANNOSIDOSIS
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BARBARA G. ERNST
;      STREET:  555 13TH STREET, NW  SUITE 701E
;      CITY:  WASHINGTON
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/101,886B
;      FILING DATE:  29-JANUARY-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/GB97/00109
;      FILING DATE:  12-JAN-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  ERNST, BARBARA G
;      REGISTRATION NUMBER:  30,377
;      REFERENCE/DOCKET NUMBER:  1181-240
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-783-6040
;      TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-09-101-886B-15

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGA 70
              | ||||| |||||| |||||
Db          1 GTGGCGGCGGCGGCTGCAGA 20
```

```
RESULT 1048
US-09-021-701-558
; Sequence 558, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  558:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-558

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAACTTTG 2193
              |||||| |||||||||  ||
Db          1 TTTTTTCTTTTTTAACCCTG 20


RESULT 1049
US-09-593-711A-28/c
; Sequence 28, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-28

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        266 TCCGCCGGGCAGCACCTCTA 285
              ||| |||||||||||| | |
Db         20 TCCTCCGGGCAGCACCACGA 1


RESULT 1050
US-09-593-589-22/c
; Sequence 22, Application US/09593589
; Patent No. 6306655
; GENERAL INFORMATION:
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF C/EBP ALPHA EXPRESSION
;  FILE REFERENCE:  RTS-0119
;  CURRENT APPLICATION NUMBER: US/09/593,589
;  CURRENT FILING DATE:  2000-06-13
;  NUMBER OF SEQ ID NOS:  94
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-589-22

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        212 GAGGATCGCCACGACGGGAG 231
              |||| |||||| | ||||||
Db         20 GAGGCTCGCCATGCCGGGAG 1


RESULT 1051
US-09-326-186B-34/c
; Sequence 34, Application US/09326186B
; Patent No. 6319906
; GENERAL INFORMATION:
;  APPLICANT: Bennett, Clarence Frank
;  APPLICANT:  Vickers, Timothy A.
;  TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
;  TITLE OF INVENTION:  Modulation of the Expression of B7 Protein
;  FILE REFERENCE: ISPH-0376
;  CURRENT APPLICATION NUMBER: US/09/326,186B
;  CURRENT FILING DATE:  1999-06-04
;  PRIOR APPLICATION NUMBER: 08/777,266
;  PRIOR FILING DATE: 1996-12-31
;  NUMBER OF SEQ ID NOS: 226
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-326-186B-34

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        541 GCCCCACCTCTCCGGGCTGG 560
              ||| ||||||||| || |||
```

```
Db         20 GCCTCACCTCTCCTGGTTGG 1


RESULT 1052
US-09-326-186B-141/c
; Sequence 141, Application US/09326186B
; Patent No. 6319906
; GENERAL INFORMATION:
;  APPLICANT: Bennett, Clarence Frank
;  APPLICANT:  Vickers, Timothy A.
;  TITLE OF INVENTION: Oligonucleotide Compositions and Methods for the
;  TITLE OF INVENTION:  Modulation of the Expression of B7 Protein
;  FILE REFERENCE: ISPH-0376
;  CURRENT APPLICATION NUMBER: US/09/326,186B
;  CURRENT FILING DATE:  1999-06-04
;  PRIOR APPLICATION NUMBER: 08/777,266
;  PRIOR FILING DATE: 1996-12-31
;  NUMBER OF SEQ ID NOS: 226
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 141
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-326-186B-141

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        541 GCCCCACCTCTCCGGGCTGG 560
              ||| |||||||||| || |||
Db         20 GCCTCACCTCTCCTGGTTGG 1


RESULT 1053
US-09-198-452A-6152/c
; Sequence 6152, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6152
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6152

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1525 GAACGAAGAAAGGTTAGGAG 1544
              || |||||||||| || ||||
Db         20 GACCGAAGAAAGATTGGGAG 1


RESULT 1054
US-09-823-634A-13/c
; Sequence 13, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02020
US-09-823-634A-13

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTT 2174
              ||||||||   |||||||||
Db         20 TTTTTTTCAAATTTTTTTT 1


RESULT 1055
US-09-823-634A-15/c
; Sequence 15, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02022
US-09-823-634A-15

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 20;
  Best Local Similarity   85.0%;  Pred. No. 1.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTT 2174
              ||||||||   |||||||||
Db         20 TTTTTTTCCAATTTTTTTT 1


RESULT 1056
US-09-823-634A-18/c
; Sequence 18, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02025
```

US-09-823-634A-18

Query Match 0.5%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |  |||||||||
Db         20 TTTTTTTATAATTTTTTTTT 1
```

RESULT 1057
US-09-823-647B-13/c
; Sequence 13, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
; APPLICANT: Applied Gene Technologies, Inc.
; APPLICANT: Dattagupta, Nanibhushan
; TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 47541-20004.20
; CURRENT APPLICATION NUMBER: US/09/823,647B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/616,761
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligo AGT02020
US-09-823-647B-13

Query Match 0.5%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||||   |||||||||
Db         20 TTTTTTTCAAATTTTTTTTT 1
```

RESULT 1058
US-09-823-647B-15/c
; Sequence 15, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
; APPLICANT: Applied Gene Technologies, Inc.
; APPLICANT: Dattagupta, Nanibhushan
; TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 47541-20004.20
; CURRENT APPLICATION NUMBER: US/09/823,647B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/616,761
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligo AGT02022
US-09-823-647B-15

Query Match 0.5%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||||   |||||||||
Db         20 TTTTTTTCCAATTTTTTTTT 1
```

RESULT 1059
US-09-823-647B-18/c
; Sequence 18, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
; APPLICANT: Applied Gene Technologies, Inc.
; APPLICANT: Dattagupta, Nanibhushan
; TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 47541-20004.20
; CURRENT APPLICATION NUMBER: US/09/823,647B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/616,761
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligo AGT02025
US-09-823-647B-18

Query Match 0.5%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |  |||||||||
Db         20 TTTTTTTATAATTTTTTTTT 1
```

RESULT 1060
US-09-583-447A-29
; Sequence 29, Application US/09583447A
; Patent No. 6645745
; GENERAL INFORMATION:
; APPLICANT: WOJNOWSKI, Leszek
; APPLICANT: GELLNER, Klaus
; APPLICANT: EISELT, Regina
; TITLE OF INVENTION: IDENTIFICATION OF A NEW MEMBER OF THE CYTOCHROME P450 3A
; TITLE OF INVENTION: (CYP3A) GENE FAMILY: CYP3AX
; FILE REFERENCE: 310115.401
; CURRENT APPLICATION NUMBER: US/09/583,447A
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-583-447A-29

Query Match 0.5%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1863 CACACTTAGCCATTGAAATG 1882
              || |||| ||||| ||||||
Db          1 CAAACTTTGCCATGGAAATG 20
```

RESULT 1061
US-08-318-193-48/c
; Sequence 48, Application US/08318193
; Patent No. 5641663
; GENERAL INFORMATION:
; APPLICANT: GARVIN, Robert T.

```
;    APPLICANT:  MALEK, Lawrence T.
;    TITLE OF INVENTION:  AN EXPRESSION SYSTEM FOR THE SECRETION
;    TITLE OF INVENTION:  OF BIOACTIVE HUMAN GRANULOCYTE MACROPHAGE COLONY
;    TITLE OF INVENTION:  STIMULATING FACTOR (GM-CSF) AND OTHER HETEROLOGOUS
;    TITLE OF INVENTION:  PROTEINS FROM STREPTOMYCES
;    NUMBER OF SEQUENCES:  91
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  1800 Diagonal Road, Suite 500
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/318,193
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/935,314
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/224,568
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  18740/116 CACO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)836-9300
;      TELEFAX:  (703)683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  48:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid;
;      DESCRIPTION:  Synthetic DNA oligonucleotide
US-08-318-193-48

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        553 CGGGCTGGAGGCGGGCGCGG 572
              ||||||| || | ||||||
Db         21 CGGGCTGGGGGAGCGCGCGG 2


RESULT 1062
US-08-173-489C-118
; Sequence 118, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  third strand derived from beta-globin
;      DESCRIPTION:  sequence region in Seq ID No. 5861244117
;    HYPOTHETICAL:  yes
;    ANTI-SENSE:  no
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  118 :FROM 1 TO 21
US-08-173-489C-118

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTTT 2183
              ||| || |||||||||| |||
Db          1 CCTCTTCTTTTTTTTTCTTT 20


RESULT 1063
US-09-422-978-9728
; Sequence 9728, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9728
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-6979 for SEQ 1863, in complemer
US-09-422-978-9728

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 21;
  Best Local Similarity   85.0%;  Pred. No. 1.5e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       2161 TCTCCTTTTTTTTTTTTTTT 2180
              || |||||||||||||  ||
Db          1 TCCCCTTTTTTTTTTCCTT 20
```

RESULT 1064
US-09-422-978-10093/c
; Sequence 10093, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10093
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..21
; OTHER INFORMATION: downstream amplification primer 99-9427 for SEQ 2228, in compleme
US-09-422-978-10093

Query Match 0.5%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 1.5e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1112 GACTTTGCCTATGTCTGTGA 1131
              || |||| |||| |||||||
Db         21 GATTTTGACTATTTCTGTGA 2
```

RESULT 1065
US-09-382-552-201/c
; Sequence 201, Application US/09382552
; Patent No. 6673909
; GENERAL INFORMATION:
; APPLICANT: Brown, Jr., Robert H.
; APPLICANT: Liu, Jing
; APPLICANT: Aoki, Masashi
; APPLICANT: Ho, Meng
; APPLICANT: Matsuda-Asada, Chie
; TITLE OF INVENTION: DYSFERLIN, A GENE MUTATED IN DISTAL MYOPATHY AND LIMB
; TITLE OF INVENTION: GIRDLE MUSCULAR DYSTROPHY
; FILE REFERENCE: 00786/399002
; CURRENT APPLICATION NUMBER: US/09/382,552
; CURRENT FILING DATE: 1999-08-25
; EARLIER APPLICATION NUMBER: US 60/097,927
; EARLIER FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 233
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 201
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-382-552-201

Query Match 0.5%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 1.5e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        335 CCACCCTACTTTCCCCCTCC 354
              || ||||||| ||||| |||
Db         21 CCTCCCTACTGTCCCCTTCC 2
```

RESULT 1066
US-09-382-552-214/c
; Sequence 214, Application US/09382552
; Patent No. 6673909
; GENERAL INFORMATION:
; APPLICANT: Brown, Jr., Robert H.
; APPLICANT: Liu, Jing
; APPLICANT: Aoki, Masashi
; APPLICANT: Ho, Meng
; APPLICANT: Matsuda-Asada, Chie
; TITLE OF INVENTION: DYSFERLIN, A GENE MUTATED IN DISTAL MYOPATHY AND LIMB
; TITLE OF INVENTION: GIRDLE MUSCULAR DYSTROPHY
; FILE REFERENCE: 00786/399002
; CURRENT APPLICATION NUMBER: US/09/382,552
; CURRENT FILING DATE: 1999-08-25
; EARLIER APPLICATION NUMBER: US 60/097,927
; EARLIER FILING DATE: 1998-08-25
; NUMBER OF SEQ ID NOS: 233
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 214
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-382-552-214

Query Match 0.5%; Score 15.2; DB 1; Length 21;
Best Local Similarity 85.0%; Pred. No. 1.5e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1263 TCAGCCAAGACCGGACACCC 1282
              |||||||| || || |||||
Db         20 TCAGCCAACACAGGGCACCC 1
```

RESULT 1067
US-09-416-050A-16/c
; Sequence 16, Application US/09416050A
; Patent No. 6194559
; GENERAL INFORMATION:
; APPLICANT: KIM. Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factors
; FILE REFERENCE: 1942/42
; CURRENT APPLICATION NUMBER: US/09/416,050A
; CURRENT FILING DATE: 1999-10-12
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-416-050A-16

Query Match 0.5%; Score 15.2; DB 1; Length 22;
Best Local Similarity 85.0%; Pred. No. 1.7e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2084 CTCTAAACCCCGTGTTCAAA 2103
              | ||||| ||| ||||||||
Db         21 CCCTAAAACCCTTGTTCAAA 2
```

RESULT 1068
US-09-664-800-16/c
; Sequence 16, Application US/09664800
; Patent No. 6218527
; GENERAL INFORMATION:
; APPLICANT: KIM. Soo Young
; TITLE OF INVENTION: Abscisic Acid Responsive Element -Binding Transcription Factor
; FILE REFERENCE: 1942/42

```
;  CURRENT APPLICATION NUMBER: US/09/664,800
;  CURRENT FILING DATE:  2000-09-19
;  PRIOR APPLICATION NUMBER:   09/416,050
;  PRIOR FILING DATE:   1999-10-12
;  NUMBER OF SEQ ID NOS:    83
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-09-664-800-16

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 22;
  Best Local Similarity   85.0%;  Pred. No. 1.7e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2084 CTCTAAACCCCGTGTTCAAA 2103
              | ||||| ||| ||||||||
Db         21 CCCTAAAACCCTTGTTCAAA 2


RESULT 1069
US-09-665-309-16/c
; Sequence 16, Application US/09665309
; Patent No. 6232461
; GENERAL INFORMATION:
;  APPLICANT:    KIM. Soo Young
;  TITLE OF INVENTION:    Abscisic Acid Responsive Element -Binding Transcription Factor
;  FILE REFERENCE:   1942/42
;  CURRENT APPLICATION NUMBER: US/09/665,309
;  CURRENT FILING DATE:  2000-09-19
;  PRIOR APPLICATION NUMBER:   09/416,050
;  PRIOR FILING DATE:   1999-10-12
;  NUMBER OF SEQ ID NOS:    83
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-09-665-309-16

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 22;
  Best Local Similarity   85.0%;  Pred. No. 1.7e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2084 CTCTAAACCCCGTGTTCAAA 2103
              | ||||| ||| ||||||||
Db         21 CCCTAAAACCCTTGTTCAAA 2


RESULT 1070
US-09-661-569-16/c
; Sequence 16, Application US/09661569
; Patent No. 6245905
; GENERAL INFORMATION:
;  APPLICANT:    KIM. Soo Young
;  TITLE OF INVENTION:    Abscisic Acid Responsive Element -Binding Transcription Factor
;  FILE REFERENCE:   1942/42
;  CURRENT APPLICATION NUMBER: US/09/661,569
;  CURRENT FILING DATE:  2000-09-14
;  PRIOR APPLICATION NUMBER:   09/416,050
;  PRIOR FILING DATE:   1999-10-12
;  NUMBER OF SEQ ID NOS:    83
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Arabidopsis thaliana
US-09-661-569-16

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 22;
  Best Local Similarity   85.0%;  Pred. No. 1.7e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2084 CTCTAAACCCCGTGTTCAAA 2103
              | ||||| ||| ||||||||
Db         21 CCCTAAAACCCTTGTTCAAA 2


RESULT 1071
US-08-753-147-4/c
; Sequence 4, Application US/08753147
; Patent No. 5770372
;  GENERAL INFORMATION:
;    APPLICANT:  Concannon, Patrick
;    TITLE OF INVENTION:  Detection of Mutations in the Human ATM Gene
;    NUMBER OF SEQUENCES:  196
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Christensen O'Connor Johnson and Kindness
;      STREET:  1420 5th Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98101-2347
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/753,147
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sheiness, Diana K.
;      REGISTRATION NUMBER:  35,356
;      REFERENCE/DOCKET NUMBER:  VMRC-1-9714
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 743-4387
;      TELEFAX:  (206) 224 0779
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-753-147-4

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 23;
  Best Local Similarity   85.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2260 TTGCATATTTATTTCAGATG 2279
              || |||||||||||| | ||
Db         20 TTTCATATTTATTTCTGTTG 1


RESULT 1072
US-08-115-497-1/c
; Sequence 1, Application US/08115497
; Patent No. 5514546
;  GENERAL INFORMATION:
;    APPLICANT:  Kool, Eric T.
;    TITLE OF INVENTION:  STEM-LOOP OLIGONUCLEOTIDES CONTAINING
;    TITLE OF INVENTION:  PARALLEL AND ANTIPARALLEL BINDING DOMAINS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
```

```
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/115,497
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8771
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-115-497-1

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 25;
  Best Local Similarity   85.0%;  Pred. No. 2.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
                ||||||||| | | ||||||
Db         24 GAAAAAAAAGAGAGAAAAAA 5


RESULT 1073
US-08-466-670-1/c
; Sequence 1, Application US/08466670
; Patent No. 5808036
;  GENERAL INFORMATION:
;    APPLICANT:  Kool, Eric T.
;    TITLE OF INVENTION:  STEM-LOOP OLIGONUCLEOTIDES CONTAINING
;    TITLE OF INVENTION:  PARALLEL AND ANTIPARALLEL BINDING DOMAINS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Scully, Scott, Murphy & Presser
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/466,670
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/115,497
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8771
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-466-670-1

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 25;
  Best Local Similarity   85.0%;  Pred. No. 2.3e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
                ||||||||| | | ||||||
Db         24 GAAAAAAAAGAGAGAAAAAA 5


RESULT 1074
US-08-291-011-10/c
; Sequence 10, Application US/08291011
; Patent No. 5936079
;  GENERAL INFORMATION:
;    APPLICANT:  Re, Richard N.
;    APPLICANT:  Cook, Julia
;    TITLE OF INVENTION:  INHIBITION OF CELLULAR PROLIFERATION BY
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR
;    TITLE OF INVENTION:  p53 PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCULLY, SCOTT, MURPHY & PRESSER
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/291,011
;      FILING DATE:  15-AUG-1994
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8515ZY
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-291-011-10

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 26;
  Best Local Similarity   85.0%;  Pred. No. 2.4e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
                ||||||  |||||||   ||||
Db         25 GAAAAAGAAAAAAAGGAAAA 6


RESULT 1075
US-09-266-065-10/c
```

```
; Sequence 10, Application US/09266065
; Patent No. 6303328
;  GENERAL INFORMATION:
;    APPLICANT:  Re, Richard N.
;    APPLICANT:  Cook, Julia
;    TITLE OF INVENTION:  INHIBITION OF CELLULAR PROLIFERATION BY
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR
;    TITLE OF INVENTION:  p53 PROTEIN
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SCULLY, SCOTT, MURPHY & PRESSER
;      STREET:  400 Garden City Plaza
;      CITY:  Garden City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/266,065
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/291,011
;      FILING DATE:  15-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DiGiglio, Frank S.
;      REGISTRATION NUMBER:  31,346
;      REFERENCE/DOCKET NUMBER:  8515ZY
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 742-4343
;      TELEFAX:  (516) 742-4366
;      TELEX:  230 901 SANS UR
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-266-065-10

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 26;
  Best Local Similarity   85.0%;  Pred. No. 2.4e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
                ||||||  |||||||   ||||
Db         25 GAAAAAGAAAAAAAGGAAAA 6


RESULT 1076
US-09-935-247-10/c
; Sequence 10, Application US/09935247
; Patent No. 6645944
;  GENERAL INFORMATION:
;       APPLICANT: Re, Richard N.
;                  Cook, Julia
;       TITLE OF INVENTION: INHIBITION OF CELLULAR PROLIFERATION BY
;                           OLIGONUCLEOTIDE BINDING TO A CHROMOSOMAL BINDING SITE FOR
;                           p53 PROTEIN
;       NUMBER OF SEQUENCES: 13
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
;            STREET: 400 Garden City Plaza
;            CITY: Garden City
;            STATE: New York
;            COUNTRY: USA
;            ZIP: 11530
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/935,247
;            FILING DATE: 22-Aug-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/266,065
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: DiGiglio, Frank S.
;            REGISTRATION NUMBER: 31,346
;            REFERENCE/DOCKET NUMBER: 8515ZY
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (516) 742-4343
;            TELEFAX: (516) 742-4366
;            TELEX: 230 901 SANS UR
;  INFORMATION FOR SEQ ID NO: 10:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 26 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-935-247-10

  Query Match             0.5%;  Score 15.2;  DB 1;  Length 26;
  Best Local Similarity   85.0%;  Pred. No. 2.4e+03;
  Matches   17;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
                ||||||  |||||||   ||||
Db         25 GAAAAAGAAAAAAAGGAAAA 6


RESULT 1077
US-08-452-196A-6
; Sequence 6, Application US/08452196A
; Patent No. 5576427
;  GENERAL INFORMATION:
;    APPLICANT:  Cook, Philip D.
;    APPLICANT:  Delecki, Daniel J.
;    APPLICANT:  Guinosso, Charles
;    TITLE OF INVENTION:  ACYCLIC NUCLEOSIDE
;    TITLE OF INVENTION:  ANALOGS AND
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE
;    TITLE OF INVENTION:  SEQUENCES
;    TITLE OF INVENTION:  CONTAINING THEM
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Patent Department
;      STREET:  9 Great Valley Parkway
;      CITY:  Malvern
;      STATE:  Pennsylvania
;      COUNTRY:  USA
;      ZIP:  19355
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch,
;      MEDIUM TYPE:  1.4 MB storage
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh 7.1
;      SOFTWARE:  Microsoft Word 5.0B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/452,196A
;      FILING DATE:  26-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/040,326
;      FILING DATE:  30 March 1993
;    ATTORNEY/AGENT INFORMATION:
```

```
;       NAME:  Paul E. Dupont
;       REGISTRATION NUMBER:  27,438
;       REFERENCE/DOCKET NUMBER:  2525
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (215)889-6338
;       TELEFAX:  (215)889-8800
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15
;       TYPE:  Nucleic Acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Nucleic Acid
;       DESCRIPTION:
;     ANTI-SENSE:  no
;     ORIGINAL SOURCE:  synthesized
US-08-452-196A-6

  Query Match              0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
                ||||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1078
US-08-452-196A-6/c
; Sequence 6, Application US/08452196A
; Patent No. 5576427
;  GENERAL INFORMATION:
;     APPLICANT:  Cook, Philip D.
;     APPLICANT:  Delecki, Daniel J.
;     APPLICANT:  Guinosso, Charles
;     TITLE OF INVENTION:  ACYCLIC NUCLEOSIDE
;     TITLE OF INVENTION:  ANALOGS AND
;     TITLE OF INVENTION:  OLIGONUCLEOTIDE
;     TITLE OF INVENTION:  SEQUENCES
;     TITLE OF INVENTION:  CONTAINING THEM
;     NUMBER OF SEQUENCES:  8
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Patent Department
;       STREET:  9 Great Valley Parkway
;       CITY:  Malvern
;       STATE:  Pennsylvania
;       COUNTRY:  USA
;       ZIP:  19355
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3.5 inch,
;       MEDIUM TYPE:  1.4 MB storage
;       COMPUTER:  Apple Macintosh
;       OPERATING SYSTEM:  Macintosh 7.1
;       SOFTWARE:  Microsoft Word 5.0B
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/452,196A
;       FILING DATE:  26-MAY-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/040,326
;       FILING DATE:  30 March 1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Paul E. Dupont
;       REGISTRATION NUMBER:  27,438
;       REFERENCE/DOCKET NUMBER:  2525
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (215)889-6338
;       TELEFAX:  (215)889-8800
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15
;       TYPE:  Nucleic Acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Nucleic Acid
;       DESCRIPTION:
;     ANTI-SENSE:  no
;     ORIGINAL SOURCE:  synthesized
US-08-452-196A-6

  Query Match              0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
                ||||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1079
US-07-971-978-1
; Sequence 1, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;     APPLICANT:  Cook and Sanghvi
;     TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;     TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;     TITLE OF INVENTION:  Gene Expression
;     NUMBER OF SEQUENCES:  65
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;       ADDRESSEE:  No. 5614617ris
;       STREET:  One Liberty Place - 46th Floor
;       CITY:  Philadelphia
;       STATE:  PA
;       COUNTRY:  U.S.A.
;       ZIP:  19103
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/971,978
;       FILING DATE:  February 18, 1993
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/558,806
;       FILING DATE:  July 27, 1990
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Joseph Lucci
;       REGISTRATION NUMBER:  33,307
;       REFERENCE/DOCKET NUMBER:  ISIS-0333
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  1
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  2
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  3
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
```

```
;       NAME/KEY:  Modified-site
;       LOCATION:  4
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  5
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  6
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  7
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  8
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  9
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  10
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  11
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  12
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  13
;       OTHER INFORMATION:  6-aza-thymidine substitution
;     FEATURE:
;       NAME/KEY:  Modified-site
;       LOCATION:  14
;       OTHER INFORMATION:  6-aza-thymidine substitution
US-07-971-978-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1080
US-07-971-978-1/c
; Sequence 1, Application US/07971978
; Patent No. 5614617
;  GENERAL INFORMATION:
;    APPLICANT:  Cook and Sanghvi
;    TITLE OF INVENTION:  Nuclease Resistant, Pyrimidine
;    TITLE OF INVENTION:  Modified Oligonucleotides that Detect and Modulate
;    TITLE OF INVENTION:  Gene Expression
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5614617ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/971,978
;      FILING DATE:  February 18, 1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/558,806
;      FILING DATE:  July 27, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-0333
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  1
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  2
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  3
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  4
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  5
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  6
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  7
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  8
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  9
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  10
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  11
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  12
;      OTHER INFORMATION:  6-aza-thymidine substitution
```

```
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  13
;      OTHER INFORMATION:  6-aza-thymidine substitution
;    FEATURE:
;      NAME/KEY:  Modified-site
;      LOCATION:  14
;      OTHER INFORMATION:  6-aza-thymidine substitution
US-07-971-978-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1081
US-08-756-728A-2
; Sequence 2, Application US/08756728A
; Patent No. 5821354
;  GENERAL INFORMATION:
;    APPLICANT:  Leclerc, Guy
;    APPLICANT:  Martel, Remi
;    TITLE OF INVENTION:  RADIOLABELED DNA OLIGONUCLEOTIDE, METHOD
;    TITLE OF INVENTION:  OF PREPARATION AND THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klauber & Jackson
;      STREET:  411 Hackensack Avenue, 4th Floor
;      CITY:  Hackensack
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/756,728A
;      FILING DATE:  26-NOV-1996
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackson Esq., David A.
;      REGISTRATION NUMBER:  26,742
;      REFERENCE/DOCKET NUMBER:  1398-1-001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-487-5800
;      TELEFAX:  201-343-1684
;      TELEX:  133521
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "PRIMER"
;    HYPOTHETICAL:  NO
US-08-756-728A-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1082
US-08-756-728A-2/c
; Sequence 2, Application US/08756728A
; Patent No. 5821354
;  GENERAL INFORMATION:
;    APPLICANT:  Leclerc, Guy
;    APPLICANT:  Martel, Remi
;    TITLE OF INVENTION:  RADIOLABELED DNA OLIGONUCLEOTIDE, METHOD
;    TITLE OF INVENTION:  OF PREPARATION AND THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klauber & Jackson
;      STREET:  411 Hackensack Avenue, 4th Floor
;      CITY:  Hackensack
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/756,728A
;      FILING DATE:  26-NOV-1996
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackson Esq., David A.
;      REGISTRATION NUMBER:  26,742
;      REFERENCE/DOCKET NUMBER:  1398-1-001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-487-5800
;      TELEFAX:  201-343-1684
;      TELEX:  133521
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "PRIMER"
;    HYPOTHETICAL:  NO
US-08-756-728A-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          15 TTTTTTTTTTTTTTT 1


RESULT 1083
US-08-663-918-3
; Sequence 3, Application US/08663918
; Patent No. 5824793
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein, Karen Fearon, Sergei Gryaznov, Sarah McCurdy, Jeffe
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide N3 {symbol 174 \f "Sy
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatable
;      OPERATING SYSTEM:  Windows 3.1
```

```
;       SOFTWARE:  Microsoft Word for Windows 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/663,918
;       FILING DATE:
;       CLASSIFICATION:  436
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/603,566
;       FILING DATE:  21-FEB-96
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Stephen C. Macevicz
;       REGISTRATION NUMBER:  30,285
;       REFERENCE/DOCKET NUMBER:  LYNX-035/01
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (510) 670-9365
;       TELEFAX:  (510) 670-9302
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-663-918-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1084
US-08-663-918-3/c
; Sequence 3, Application US/08663918
; Patent No. 5824793
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein, Karen Fearon, Sergei Gryaznov, Sarah McCurdy, Jeffe
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide N3 {symbol 174 \f "Sy
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatable
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/663,918
;      FILING DATE:
;      CLASSIFICATION:  436
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/603,566
;      FILING DATE:  21-FEB-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  LYNX-035/01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-663-918-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1085
US-08-663-918-4
; Sequence 4, Application US/08663918
; Patent No. 5824793
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein, Karen Fearon, Sergei Gryaznov, Sarah McCurdy, Jeffe
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide N3 {symbol 174 \f "Sy
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatable
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/663,918
;      FILING DATE:
;      CLASSIFICATION:  436
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/603,566
;      FILING DATE:  21-FEB-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  LYNX-035/01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-663-918-4

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1086
US-08-663-918-4/c
; Sequence 4, Application US/08663918
; Patent No. 5824793
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein, Karen Fearon, Sergei Gryaznov, Sarah McCurdy, Jeffe
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide N3 {symbol 174 \f "Sy
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
```

```
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94545
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch diskette
;       COMPUTER:  IBM compatable
;       OPERATING SYSTEM:  Windows 3.1
;       SOFTWARE:  Microsoft Word for Windows 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/663,918
;       FILING DATE:
;       CLASSIFICATION:  436
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/603,566
;       FILING DATE:  21-FEB-96
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Stephen C. Macevicz
;       REGISTRATION NUMBER:  30,285
;       REFERENCE/DOCKET NUMBER:  LYNX-035/01
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (510) 670-9365
;       TELEFAX:  (510) 670-9302
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-663-918-4

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1087
US-08-292-620A-361
; Sequence 361, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  361:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-361

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 5.9e+02;
  Matches    0;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ::::::::::::::::
Db          1 UUUUUUUUUUUUUUU 15


RESULT 1088
US-08-292-620A-361/c
; Sequence 361, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  361:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-361

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1089
US-08-292-620A-362
; Sequence 362, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  362:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-362

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 5.9e+02;
  Matches    0;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              :::::::::::::::
Db          1 UUUUUUUUUUUUUUU 15


RESULT 1090
US-08-292-620A-362/c
; Sequence 362, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  362:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
```

US-08-292-620A-362

Query Match 0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1
```

RESULT 1091
US-08-292-620A-363/c
; Sequence 363, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620A
; FILING DATE: August 17, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below: two
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 363:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-292-620A-363

Query Match 0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2785 GAAAAAAAAAAAAAA 2799
             |||||||||||||||
Db         15 GAAAAAAAAAAAAAA 1
```

RESULT 1092
US-08-292-620A-364/c
; Sequence 364, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
; APPLICANT: Susan Grimm
; APPLICANT: Dan T. Stinchcomb
; APPLICANT: James McSwiggen
; APPLICANT: Sean Sullivan
; APPLICANT: Kenneth G. Draper
; TITLE OF INVENTION: RIBOZYME TREATMENT OF
; TITLE OF INVENTION: DISEASES OR CONDITIONS
; TITLE OF INVENTION: RELATED TO LEVELS OF
; TITLE OF INVENTION: INTRACELLULAR ADHESION
; TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
; NUMBER OF SEQUENCES: 2390
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,620A
; FILING DATE: August 17, 1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below: two
; APPLICATION NUMBER: 08/008,895
; FILING DATE: January 19, 1993
; APPLICATION NUMBER: 07/989,849
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 208/149
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 364:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-292-620A-364

Query Match 0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2784 TGAAAAAAAAAAAAA 2798
             |||||||||||||||
Db         15 TGAAAAAAAAAAAAA 1
```

RESULT 1093
US-08-771-789-3
; Sequence 3, Application US/08771789

```
; Patent No. 5859233
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein
;    APPLICANT:  Karen Fearon
;    APPLICANT:  Sergei Gryaznov
;    APPLICANT:  Sarah McCurdy
;    APPLICANT:  Jeffery Nelson
;    APPLICANT:  Ronald G. Schultz
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide
;    TITLE OF INVENTION:  N3 {symbol 174 \f "Symbol" \s 12|}P5  Phosphoramidates
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatable
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,789
;      FILING DATE:  20-DEC-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/663,918
;      FILING DATE:  14-JUN-1996
;      APPLICATION NUMBER:  08/603,566
;      FILING DATE:  21-FEB-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  LYNX-035/01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-771-789-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1094
US-08-771-789-3/c
; Sequence 3, Application US/08771789
; Patent No. 5859233
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein
;    APPLICANT:  Karen Fearon
;    APPLICANT:  Sergei Gryaznov
;    APPLICANT:  Sarah McCurdy
;    APPLICANT:  Jeffery Nelson
;    APPLICANT:  Ronald G. Schultz
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide
;    TITLE OF INVENTION:  N3 {symbol 174 \f "Symbol" \s 12|}P5  Phosphoramidates
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatable
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,789
;      FILING DATE:  20-DEC-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/663,918
;      FILING DATE:  14-JUN-1996
;      APPLICATION NUMBER:  08/603,566
;      FILING DATE:  21-FEB-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  LYNX-035/01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-771-789-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1095
US-08-771-789-4
; Sequence 4, Application US/08771789
; Patent No. 5859233
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein
;    APPLICANT:  Karen Fearon
;    APPLICANT:  Sergei Gryaznov
;    APPLICANT:  Sarah McCurdy
;    APPLICANT:  Jeffery Nelson
;    APPLICANT:  Ronald G. Schultz
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide
;    TITLE OF INVENTION:  N3 {symbol 174 \f "Symbol" \s 12|}P5  Phosphoramidates
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatable
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,789
;      FILING DATE:  20-DEC-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  08/663,918
;       FILING DATE:  14-JUN-1996
;       APPLICATION NUMBER:  08/603,566
;       FILING DATE:  21-FEB-96
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Stephen C. Macevicz
;       REGISTRATION NUMBER:  30,285
;       REFERENCE/DOCKET NUMBER:  LYNX-035/01
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (510) 670-9365
;       TELEFAX:  (510) 670-9302
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-771-789-4

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             ||||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1096
US-08-771-789-4/c
; Sequence 4, Application US/08771789
; Patent No. 5859233
;  GENERAL INFORMATION:
;    APPLICANT:  Bernard Hirschbein
;    APPLICANT:  Karen Fearon
;    APPLICANT:  Sergei Gryaznov
;    APPLICANT:  Sarah McCurdy
;    APPLICANT:  Jeffery Nelson
;    APPLICANT:  Ronald G. Schultz
;    TITLE OF INVENTION:  Solid Phase Synthesis of Oligonucleotide
;    TITLE OF INVENTION:  N3 {symbol 174 \f "Symbol" \s 12|}P5  Phosphoramidates
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics, Inc.
;      STREET:  3832 Bay Center Place
;      CITY:  Hayward
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94545
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatable
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  Microsoft Word for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/771,789
;      FILING DATE:  20-DEC-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/663,918
;      FILING DATE:  14-JUN-1996
;      APPLICATION NUMBER:  08/603,566
;      FILING DATE:  21-FEB-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  LYNX-035/01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 670-9365
;      TELEFAX:  (510) 670-9302
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-771-789-4

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             ||||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1097
US-08-358-556A-10
; Sequence 10, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..15
US-08-358-556A-10

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             ||||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15
```

```
RESULT 1098
US-08-358-556A-10/c
; Sequence 10, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..15
US-08-358-556A-10

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
                ||||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1099
US-08-358-556A-16
; Sequence 16, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..15
US-08-358-556A-16

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
                ||||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1100
US-08-358-556A-16/c
; Sequence 16, Application US/08358556A
; Patent No. 5869643
;  GENERAL INFORMATION:
;    APPLICANT:  Chatelain, Francois
;    APPLICANT:  Kumarev, Viktor
;    TITLE OF INVENTION:  Process for Preparing Polynucleotides on
;    TITLE OF INVENTION:  a Solid Support and Apparatus Permitting its
;    TITLE OF INVENTION:  Implementation
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern
;      STREET:  400 Seventh St. N.W.
;      CITY:  Washington D.C
;      COUNTRY:  U.S.A.
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/358,556A
;      FILING DATE:  14-DEC-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 9315164
;      FILING DATE:  16-DEC-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,409
;      REFERENCE/DOCKET NUMBER:  10577/P58418
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-6666
;      TELEFAX:  (202) 393-5350
;      TELEX:  RCA 248593 IDEA UR
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  N-terminal
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..15
US-08-358-556A-16

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
                ||||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1101
US-08-922-170B-5
; Sequence 5, Application US/08922170B
; Patent No. 5968822
;  GENERAL INFORMATION:
;    APPLICANT:  Iris Pecker, Israel Vlodavsky and Elena
;    APPLICANT:  Feinstein
;    TITLE OF INVENTION:  POLYNUCLEOTIDE ENCODING A POLYPEPTIDE
;    TITLE OF INVENTION:  HAVING HEPARANASE ACTIVITY AND EXPRESSION OF
;    TITLE OF INVENTION:  SAME IN TRANSDUCED CELLS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Robert Sheinbein
;      STREET:  2940 Birchtree lane
;      CITY:  Silver Spring
;      STATE:  Maryland
;      COUNTRY:  United States of America
;      ZIP:  20906
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Twinhead* Slimnote-890TX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.11
;      SOFTWARE:  Word for Windows version 2.0 converted to
;      SOFTWARE:  an ASCI file
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/922,170B
;      FILING DATE:  2 SEP 1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  910/1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-5625553
;      TELEFAX:  972-3-5625554
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-922-170B-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
                ||||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1102
US-08-922-170B-5/c
; Sequence 5, Application US/08922170B
; Patent No. 5968822
;  GENERAL INFORMATION:
;    APPLICANT:  Iris Pecker, Israel Vlodavsky and Elena
;    APPLICANT:  Feinstein
;    TITLE OF INVENTION:  POLYNUCLEOTIDE ENCODING A POLYPEPTIDE
;    TITLE OF INVENTION:  HAVING HEPARANASE ACTIVITY AND EXPRESSION OF
;    TITLE OF INVENTION:  SAME IN TRANSDUCED CELLS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Robert Sheinbein
;      STREET:  2940 Birchtree lane
;      CITY:  Silver Spring
;      STATE:  Maryland
;      COUNTRY:  United States of America
;      ZIP:  20906
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Twinhead* Slimnote-890TX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.11
;      SOFTWARE:  Word for Windows version 2.0 converted to
;      SOFTWARE:  an ASCI file
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/922,170B
;      FILING DATE:  2 SEP 1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  910/1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-5625553
;      TELEFAX:  972-3-5625554
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-922-170B-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
```

```
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1103
US-08-863-639A-5
; Sequence 5, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1104
US-08-863-639A-5/c
; Sequence 5, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1105
US-08-863-639A-9
; Sequence 9, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  9:
```

```
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-9

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1106
US-08-863-639A-9/c
; Sequence 9, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-9

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1107
US-08-693-831-1
; Sequence 1, Application US/08693831
; Patent No. 6017700
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  APPLICANT: Letsinger, Robert L.
;  APPLICANT: Balasubramanian, Tanjore N.
;  TITLE OF INVENTION: CATIONIC OLIGONUCLEOTIDES, AND RELATED METHODS OF
;  TITLE OF INVENTION: SYNTHESIS AND USE
;  FILE REFERENCE: 1117.002
;  CURRENT APPLICATION NUMBER: US/08/693,831
;  CURRENT FILING DATE: 1996-07-31
;  EARLIER APPLICATION NUMBER: US 08/693,831
;  EARLIER FILING DATE: 1996-07-31
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: Description of Artificial Sequence: poly-T
US-08-693-831-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1108
US-08-693-831-1/c
; Sequence 1, Application US/08693831
; Patent No. 6017700
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  APPLICANT: Letsinger, Robert L.
;  APPLICANT: Balasubramanian, Tanjore N.
;  TITLE OF INVENTION: CATIONIC OLIGONUCLEOTIDES, AND RELATED METHODS OF
;  TITLE OF INVENTION: SYNTHESIS AND USE
;  FILE REFERENCE: 1117.002
;  CURRENT APPLICATION NUMBER: US/08/693,831
;  CURRENT FILING DATE: 1996-07-31
;  EARLIER APPLICATION NUMBER: US 08/693,831
;  EARLIER FILING DATE: 1996-07-31
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: Description of Artificial Sequence: poly-T
US-08-693-831-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1109
US-08-832-021-18
; Sequence 18, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
```

```
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-18

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
                ||||||||||||||||
Db          1 TTTTTTTTTTTTAAC 15


RESULT 1110
US-08-832-021-21/c
; Sequence 21, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-21

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
                ||||||||||||||||
Db         15 TTGAAAAAAAAAAAA 1


RESULT 1111
US-09-183-619-4
; Sequence 4, Application US/09183619
; Patent No. 6103474
; GENERAL INFORMATION:
;  APPLICANT: DELLINGER, DOUGLAS J.
;  APPLICANT: DAHM, SUEANN C.
;  APPLICANT: ILSLEY, DIANE D.
;  APPLICANT: ACH, ROBERT A.
;  APPLICANT: TROLL, MARK A.
;  TITLE OF INVENTION: HYBRIDIZATION ASSAY SIGNAL ENHANCEMENT
;  FILE REFERENCE: 10981619-1
;  CURRENT APPLICATION NUMBER: US/09/183,619
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: 08/735,381
;  EARLIER FILING DATE: 1996-10-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;    LENGTH: 15
;    TYPE: RNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Reporter probe
US-09-183-619-4

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 5.9e+02;
  Matches    0;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
                ::::::::::::::::
Db          1 UUUUUUUUUUUUUUU 15


RESULT 1112
US-09-183-619-4/c
; Sequence 4, Application US/09183619
; Patent No. 6103474
; GENERAL INFORMATION:
;  APPLICANT: DELLINGER, DOUGLAS J.
;  APPLICANT: DAHM, SUEANN C.
;  APPLICANT: ILSLEY, DIANE D.
;  APPLICANT: ACH, ROBERT A.
;  APPLICANT: TROLL, MARK A.
;  TITLE OF INVENTION: HYBRIDIZATION ASSAY SIGNAL ENHANCEMENT
;  FILE REFERENCE: 10981619-1
;  CURRENT APPLICATION NUMBER: US/09/183,619
;  CURRENT FILING DATE: 1998-10-30
;  EARLIER APPLICATION NUMBER: 08/735,381
;  EARLIER FILING DATE: 1996-10-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;    LENGTH: 15
;    TYPE: RNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Reporter probe
US-09-183-619-4

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
                ||||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1113
US-09-071-845-361
; Sequence 361, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
```

```
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/071,845
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/292,620
;       FILING DATE:  August 17, 1994
;       APPLICATION NUMBER:  08/008,895
;       FILING DATE:  January 19, 1993
;       APPLICATION NUMBER:  07/989,849
;       FILING DATE:  December 7, 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  208/149
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  361:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-071-845-361

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 5.9e+02;
  Matches    0;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ::::::::::::::::
Db          1 UUUUUUUUUUUUUUU 15


RESULT 1114
US-09-071-845-361/c
; Sequence 361, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  361:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-361

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1115
US-09-071-845-362
; Sequence 362, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
```

```
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  362:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-362

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 5.9e+02;
  Matches    0;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ::::::::::::::::
Db          1 UUUUUUUUUUUUUUU 15


RESULT 1116
US-09-071-845-362/c
; Sequence 362, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  362:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-362

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1117
US-09-071-845-363/c
; Sequence 363, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
```

```
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  363:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-071-845-363

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
             |||||||||||||||
Db         15 GAAAAAAAAAAAAAA 1


RESULT 1118
US-09-071-845-364/c
; Sequence 364, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;     APPLICANT:  Susan Grimm
;     APPLICANT:  Dan T. Stinchcomb
;     APPLICANT:  James McSwiggen
;     APPLICANT:  Sean Sullivan
;     APPLICANT:  Kenneth G. Draper
;     TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;     TITLE OF INVENTION:  DISEASES OR CONDITIONS
;     TITLE OF INVENTION:  RELATED TO LEVELS OF
;     TITLE OF INVENTION:  INTRACELLULAR ADHESION
;     TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;     NUMBER OF SEQUENCES:  2390
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/071,845
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/292,620
;       FILING DATE:  August 17, 1994
;       APPLICATION NUMBER:  08/008,895
;       FILING DATE:  January 19, 1993
;       APPLICATION NUMBER:  07/989,849
;       FILING DATE:  December 7, 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  208/149
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  364:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-071-845-364

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAA 2798
             |||||||||||||||
Db         15 TGAAAAAAAAAAAAA 1


RESULT 1119
US-09-167-375-1
; Sequence 1, Application US/09167375B
; Patent No. 6291438
; GENERAL INFORMATION:
;  APPLICANT: Jui H. Wang
;  TITLE OF INVENTION: Antiviral anticancer poly-substituted phenyl derivatized oligorib
;  TITLE OF INVENTION: methods for their use.
;  FILE REFERENCE: WNGJ 2002 (CIP-1)
;  CURRENT APPLICATION NUMBER: US/09/167,375B
;  CURRENT FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 1
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Retroviral reverse transcriptase inhibitor
US-09-167-375-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1120
US-09-167-375-1/c
; Sequence 1, Application US/09167375B
; Patent No. 6291438
; GENERAL INFORMATION:
;  APPLICANT: Jui H. Wang
;  TITLE OF INVENTION: Antiviral anticancer poly-substituted phenyl derivatized oligorib
;  TITLE OF INVENTION: methods for their use.
;  FILE REFERENCE: WNGJ 2002 (CIP-1)
;  CURRENT APPLICATION NUMBER: US/09/167,375B
;  CURRENT FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 1
;   LENGTH: 15
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Retroviral reverse transcriptase inhibitor
US-09-167-375-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1121
US-08-150-156A-19
; Sequence 19, Application US/08150156A
```

```
; Patent No. 6357163
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THE USE OF NUCLEIC ACID ANALOGUES IN
;    TITLE OF INVENTION:  DIAGNOSTICS AND ANALYTICAL PROCEDURES
;    NUMBER OF SEQUENCES:  40
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,156A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0986/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0987/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0510/92
;      FILING DATE:  15-APR-1992
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    PUBLICATION INFORMATION:
;      DOCUMENT NUMBER:  WO PCT/EP92/01220
;      FILING DATE:  22-MAY-1992
US-08-150-156A-19

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1122
US-08-150-156A-19/c
; Sequence 19, Application US/08150156A
; Patent No. 6357163
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THE USE OF NUCLEIC ACID ANALOGUES IN
;    TITLE OF INVENTION:  DIAGNOSTICS AND ANALYTICAL PROCEDURES
;    NUMBER OF SEQUENCES:  40
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,156A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0986/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0987/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0510/92
;      FILING DATE:  15-APR-1992
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    PUBLICATION INFORMATION:
;      DOCUMENT NUMBER:  WO PCT/EP92/01220
;      FILING DATE:  22-MAY-1992
US-08-150-156A-19

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1123
US-08-150-156A-20
; Sequence 20, Application US/08150156A
; Patent No. 6357163
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THE USE OF NUCLEIC ACID ANALOGUES IN
;    TITLE OF INVENTION:  DIAGNOSTICS AND ANALYTICAL PROCEDURES
;    NUMBER OF SEQUENCES:  40
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,156A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0986/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0987/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0510/92
;      FILING DATE:  15-APR-1992
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    PUBLICATION INFORMATION:
;      DOCUMENT NUMBER:  WO PCT/EP92/01220
;      FILING DATE:  22-MAY-1992
US-08-150-156A-20

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1124
US-08-150-156A-20/c
```

```
; Sequence 20, Application US/08150156A
; Patent No. 6357163
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THE USE OF NUCLEIC ACID ANALOGUES IN
;    TITLE OF INVENTION:  DIAGNOSTICS AND ANALYTICAL PROCEDURES
;    NUMBER OF SEQUENCES:  40
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,156A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0986/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0987/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0510/92
;      FILING DATE:  15-APR-1992
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    PUBLICATION INFORMATION:
;      DOCUMENT NUMBER:  WO PCT/EP92/01220
;      FILING DATE:  22-MAY-1992
US-08-150-156A-20

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity  100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1125
US-08-108-591B-17
; Sequence 17, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-17

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity  100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db         15 TTTTTTTTTTTTTTT 1


RESULT 1126
US-08-108-591B-17/c
; Sequence 17, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-17

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity  100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1127
US-08-108-591B-18
; Sequence 18, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-18

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity  100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1128
US-08-108-591B-18/c
; Sequence 18, Application US/08108591B
```

; Patent No. 6395474
; GENERAL INFORMATION:
; APPLICANT: Buchardt, Ole
; APPLICANT: Egholm, Michael
; APPLICANT: Nielsen, Peter Eigil
; APPLICANT: Berg, Rolf Henrik
; TITLE OF INVENTION: Peptide Nucleic Acids
; FILE REFERENCE: ISIS0540
; CURRENT APPLICATION NUMBER: US/08/108,591B
; CURRENT FILING DATE: 2001-08-13
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-18

Query Match 0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTT 2180
||||||||||||||||
Db 15 TTTTTTTTTTTTTTT 1

RESULT 1129
US-09-619-103-21
; Sequence 21, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
; APPLICANT: Kurz, Markus
; APPLICANT: Lohse, Peter
; APPLICANT: Wagner, Richard
; TITLE OF INVENTION: Peptide Acceptor Ligation Methods
; FILE REFERENCE: 50036/031002
; CURRENT APPLICATION NUMBER: US/09/619,103
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/145,834
; PRIOR FILING DATE: 1999-07-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-21

Query Match 0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAA 2800
||||||||||||||||
Db 1 AAAAAAAAAAAAAAA 15

RESULT 1130
US-09-619-103-21/c
; Sequence 21, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
; APPLICANT: Kurz, Markus
; APPLICANT: Lohse, Peter
; APPLICANT: Wagner, Richard
; TITLE OF INVENTION: Peptide Acceptor Ligation Methods
; FILE REFERENCE: 50036/031002
; CURRENT APPLICATION NUMBER: US/09/619,103
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/145,834
; PRIOR FILING DATE: 1999-07-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-21

Query Match 0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTT 2180
||||||||||||||||
Db 15 TTTTTTTTTTTTTTT 1

RESULT 1131
US-09-300-958A-68
; Sequence 68, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
; APPLICANT: McClelland, Michael
; APPLICANT: Welsh, John
; APPLICANT: Trenkle, Thomas
; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-PH 3457
; CURRENT APPLICATION NUMBER: US/09/300,958A
; CURRENT FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/083,331
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/098,070
; PRIOR FILING DATE: 1998-08-27
; PRIOR APPLICATION NUMBER: 60/118,624
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-68

Query Match 0.5%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 5.9e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTT 2180
||||||||||||||||
Db 1 TTTTTTTTTTTTTTT 15

RESULT 1132
US-09-300-958A-68/c
; Sequence 68, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
; APPLICANT: McClelland, Michael
; APPLICANT: Welsh, John
; APPLICANT: Trenkle, Thomas
; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-PH 3457
; CURRENT APPLICATION NUMBER: US/09/300,958A
; CURRENT FILING DATE: 1999-04-27